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1998-0099-F

FOIA Number:  
1998-0099-F

# FOIA MARKER

**This is not a textual record. This is used as an  
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**Record Group/Collection:** George H.W. Bush Presidential Records  
**Collection/Office of Origin:** Domestic Policy Council  
**Series:** Schulteiss, Dean, Files  
**Subseries:** Subject File

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**OA/ID Number:** CF00553  
**Folder ID Number:** CF00553-008

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**Folder Title:**  
Iraqi Oil Spill [3]

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Stack:	Row:	Section:	Shelf:	Position:
V	3	6	3	

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File Oil spill

From: CAPT William F. Holt, USCG  
Chief, Marine Environmental Protection Division

4 Mar 91

To:	<u>Agency</u>	<u>POC</u>	<u>FAX</u>
	White House Situation Room	Steve Danzansky	202-456-2223
	D.O.E.	Mr. John Easton "SDO"	202-586-0420
	D.O.S.	Bob Blumberg/ Tucker Scully Oil Spill Task Force-Scully/Blumberg	202-647-6610
	DOD Crisis Coord Center	Joe Muckerman	703-697-1920
	JCS Crisis Action Team	BGen John Jumper	703-697-4801
	USACoE EOC	Gary Campbell/ John Elmore	202-272-0378
	EPA Emerg. Ops Cntr	Jim Makris	202-252-0154
	IMO	CDR Pascoe	011-44-071-587-3238
	Canadian Coast Guard	Mr. Tom Ring	613-998-4168
	CAPT Viglienzzone	U.S. Coast Guard	703-693-6465
	U.S. Coast Guard Congressional Affairs	CAPT Hull	202-366-2351

Attached are five pages of oil spill overflight information.

**2 MARCH****UNCLASSIFIED****Overflight Morning Saudi Time**

Reports from two overflights were available today. The first flight was from a SLAR aircraft and covered the central and northern Gulf. The second was from a CH-46 helicopter and concentrated on the nearshore area of the Saudi Arabian coast.

Oil distributions appeared in the same general areas as they were seen yesterday. The most significant oil concentration is still found in the nearshore region between Abu Ali Island and Ra's al Tanaqib. From here north scattered sheens and patches of oil are seen along the coast as far as Bubiyan Island. Most of these sighting are consistent with the refloating and rewashing of oil that was stranded along the coast, but there are a few examples of relatively small releases of fresh oil. Specific areas of sheen were seen E and SE of Bubiyan Island, near the entrance of Kuwait Harbor.

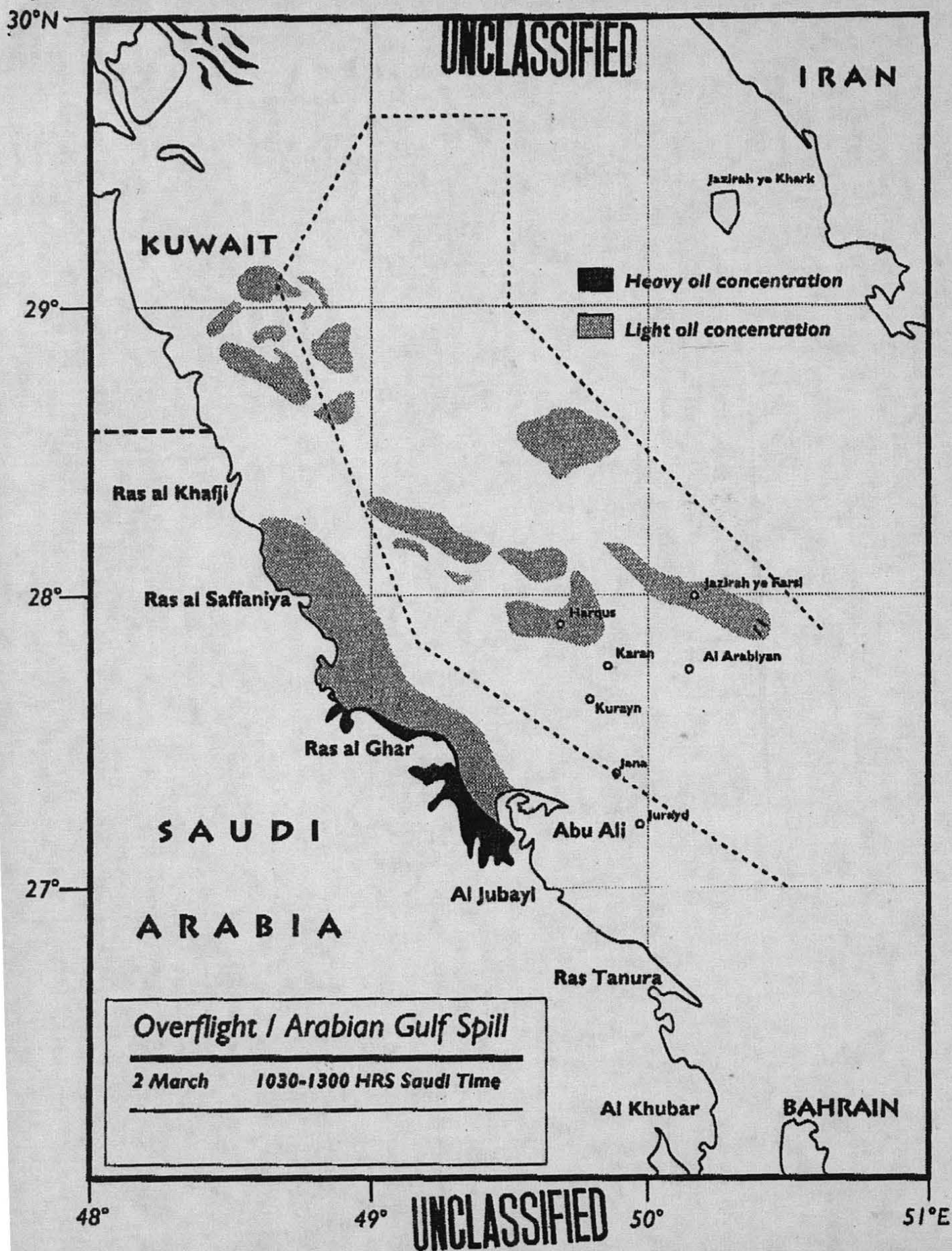
In the offshore region, scattered patches of sheen and mousse streaks were sighted in two general regions south of the Kuwait - Saudi Arabian border, as indicated on the attached map. In addition another area of sheen was sighted at about 29 degrees latitude off the Kuwait coast. A small series of streaks and sheen were once again seen around the terminal at Al Bakar.

**Gulf Spill Trajectory Update**

Winds for the next few days will be from the N and NNW. A pronounced sea breeze is expected to move the oil closer to shore each afternoon. The general trends that we have seen over the last week are expected to continue. The oil in the nearshore region is expected to remain where it is with no significant amounts of oil rounding Abu Ali. The slicks floating offshore will continue to spread out and move south at a few miles per day and generally trending onshore. New oiling is expected along the Kuwait coast south of Mina al Ahmadi.

**UNCLASSIFIED**





**UNCLASSIFIED****3 MARCH**

## **Overflight Morning Saudi Time**

Reports from two overflights were available today. A SLAR aircraft covered the central and northern Gulf and a CH-46 helicopter concentrated on the nearshore area of the Saudi Arabian coast.

No new areas of floating oil were observed during today's overflights. The heaviest concentrations of oil are still seen along the nearshore region between Abu Ali Island and Ra's al Tanaqib.

In the offshore areas, south of the Kuwait - Saudi Arabian border, floating oil appears as scattered patches of sheen with some lines or bands of heavier water in oil emulsion (mousse). One of these patches is centered about 20 miles east of Ras al Saffaniya. A second and larger patch is further to the east and appears in SLAR imagery as a series of widely scattered sheen patches extending from about 80 miles east of Ras al Khafji to about 25 miles east of Abu Ali.

In Kuwait waters there are several areas where floating oil was observed. The first is a long streak of sheen and mousse that appears to be trending in a SSW direction from the channel south of Bubiyan Island. The second is a series of small sheen and mousse patches that appear to be drifting in a southerly direction from around the terminal at Al Bakar. The third region is a relatively large area of scattered sheen and mousse at Mina' Su'ud.

A re-examination of yesterday's overflight data and detailed comparison to today's flight indicate that the reports yesterday of oil coming out of the channel north of Bubiyan Island were probably incorrect. This area does not have significant concentrations of floating oil.

## **Gulf Spill Trajectory Update**

Winds for the next few days will be from the N and NNW. A pronounced sea breeze is expected to move the oil closer to shore each afternoon. The general trends that we have seen over the last week are expected to continue. During the 5th and 6th the forecast calls for winds from the E and these will tend to

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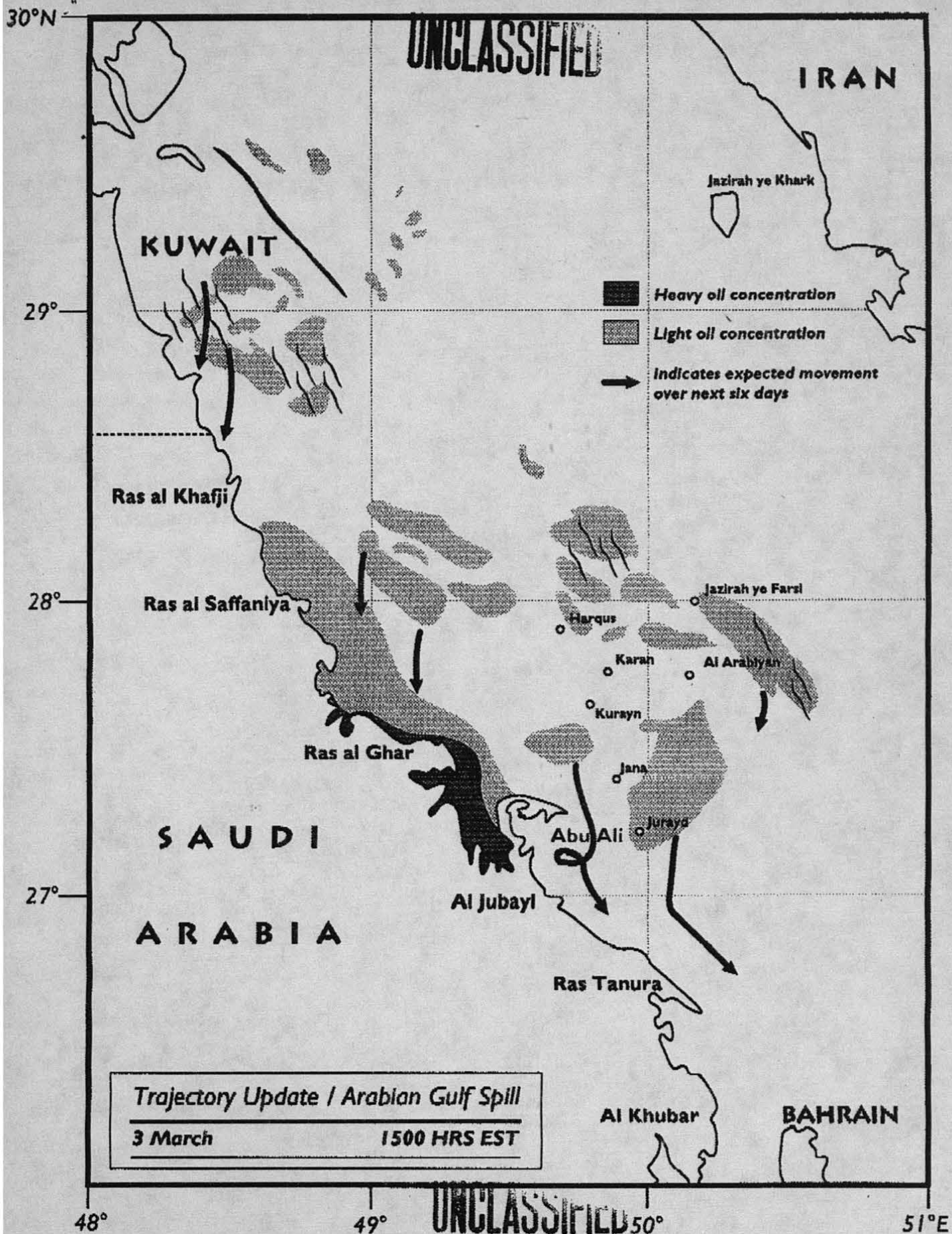
threaten coastal areas that have floating oil just off shore. After the 6th winds are forecast to once again switch around to the N and NNW.

The major oil concentration that is along the Saudi coast between Abu Ali and Ra's al Tanaqib will generally stay where it is.

Offshore patches of oil will move generally south and during the 5th and 6th are likely to shift west closer to the coast. Of particular interest are the oil patches that are presently north and east of Abu Ali. These should move south of the point over the next two days and then during the easterly wind event will move toward the nearshore zone and threaten coastal impacts near Al Jubayl and along the coast to the south. The present trajectory analysis does not suggest coastal oiling south of Abu Ali, but a small increase in either the magnitude or the duration of the easterly winds could lead to scenarios that include coastal impacts.

The oil concentrations along the Kuwait coast are expected to move south and toward shore. New oiling is expected along the Kuwait coast south of Mina al Ahmadi during the 5th and 6th.

**UNCLASSIFIED**



File in  
Ölsnäll  
saga

show I cannot

~~Witten~~ Witten

морж - морской

up still responsibly 2 deep before

Answer - 20575011

Fun Mills - They have these

resources provided / pay type for patch

~~8.5 mi~~ BPT / (marginal) mile

On inter- (Bob al tech adcom)

(1) People trying to  
harden targets -  
high walls

(2) might be intentional  
showdown

(3) nothing left over  
to help ~~see~~ grass  
for other. All - birch  
not enough  
can't find about  
birch.

\*  $m \rightarrow \infty$  - really bad  
in physics, no - person  
of physics - Theoretical  
level  $m \rightarrow \infty$  (infinite)  
with distance -



Amity L. 11

~~Enrich~~ 5000

Regal Comm<sup>1000</sup> / 1000. Plank  
KOBAR

Boys cent. sta. top  
to hang up - G. 11  
pinned against the wall

Those will still be right  
even though all beams  
are in place.

maybe minimum beam  
not as big as sp  
or equally important

value of K to be

If bars can expose  
of still not be called  
have to pull up the  
why can't get it all  
(3) we helped them  
then pushing on  
sketch board

Admirals  
repelling all cabin  
rooters

(1) jump in water  
from the car

(2)

poor luck total  
little ~~bullet~~ little

Other offers.

(1) good we were  
there first  
(2) first team /  
good  
(3) ~~small~~

Two WSP

spent a few  
hours in RING  
wall

Admirals not divers

keep team free

soel

#7  
3 cast.

~~4~~

# of team  
Timo Role  
when can we come  
home

other nation's request

central clay bar  
hanged at higher

Two clay the  
Sun  
house But

So much more may. Smung  
OSD

Libal  
who has

I EPA

(A) Pail.

(1) Gasoline, paint, water  
pipes, sinks

(2)

(B) ~~Gas~~ mult. media campaign

(1) Office and pesticides

Toxic substances - carcinogens

(2) Know with HUD

technical support on  
detecting, measure, abatement

(3) Chrysothrix

(A) Reduce incidence

in children - 10 micrograms

per deciliter - SHAB

re 15% US children

(B) Reduce lead in

environment

(4) Sources: paint, urban soil  
drinking water

(5) Strategy:

(A) identify hot spots

(B) evaluate dissemination  
methods - cost

(C) Public info ed

(D) Recycling

(E) Lead research

Nathan / Entart Odland  
Barman vs - 1988

3-4 m. 1 John -

1988 =

strategic plan -

states -

80 m. 1988 /

25 enrolled students

5-10- caritill natures

Bar focuses -  
Different view

mother ~~explains~~ -  
metabolism

strategic plan as  
1/n. plan for country



Prop conference - for  
Strategic Plan -  
HHS

Two parts of  
Technical Center

We scheduled  
pass conference first.

Sullivan & Raulo

---

Wd - \$600 - 500/mi  
on \$1,000 - 1200  
to for old old Rmi

Rept sup housing  
Testing - \$300 - 400  
testing in point alone  
HHS asked heavily

---

25 megawatts / Ponderant

---

\* if of now gas  
engine -

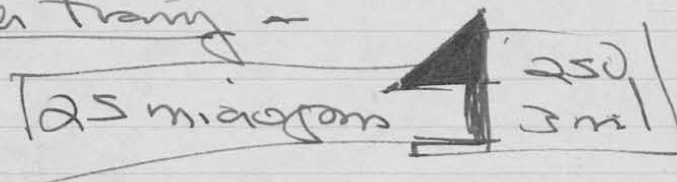
- low income areas
- transportation costs
- significant profits

of -  
How don't think you  
should require drinking

20 year plan to  
attack problem -

- (1) Better Targeting
- (2) Better Abatement research
- (3) worker training -

(4)



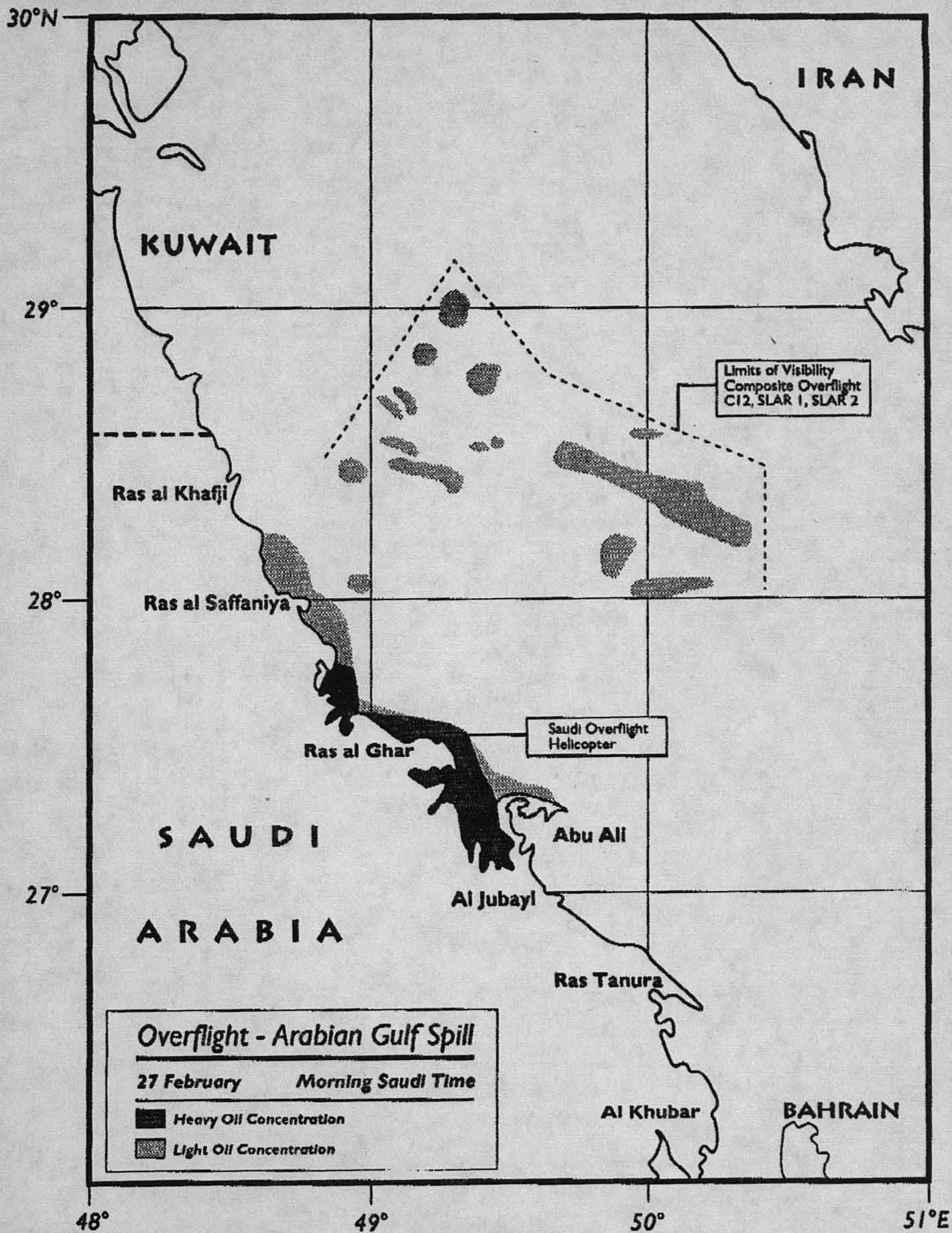
Every worker -  
Strategy

From: CAPT William F. Holt, USCG  
Chief, Marine Environmental Protection Division

28 Feb 91

To:	Agency	POC	FAX
	White House Situation Room	Steve Danzansky	202-456-2223
	D.O.E.	Mr. John Easton "SDO"	202-586-0420
	D.O.S.	Bob Blumberg/ Tucker Scully Oil Spill Task Force-Scully/Blumberg	202-647-6610
	DOD Crisis Coord Center	Joe Muckerman	703-697-1920
	JCS Crisis Action Team	BGen John Jumper	703-697-4801
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	IMO	CDR Pascoe	011-44-071-587-3238
	Canadian Coast Guard	Mr. Tom Ring	613-998-4168
	CAPT Viglienzzone	U.S. Coast Guard	703-693-6465
	U.S. Coast Guard Congressional Affairs	CAPT Hull	202-366-2351

Attached are two pages of oil spill overflight information.



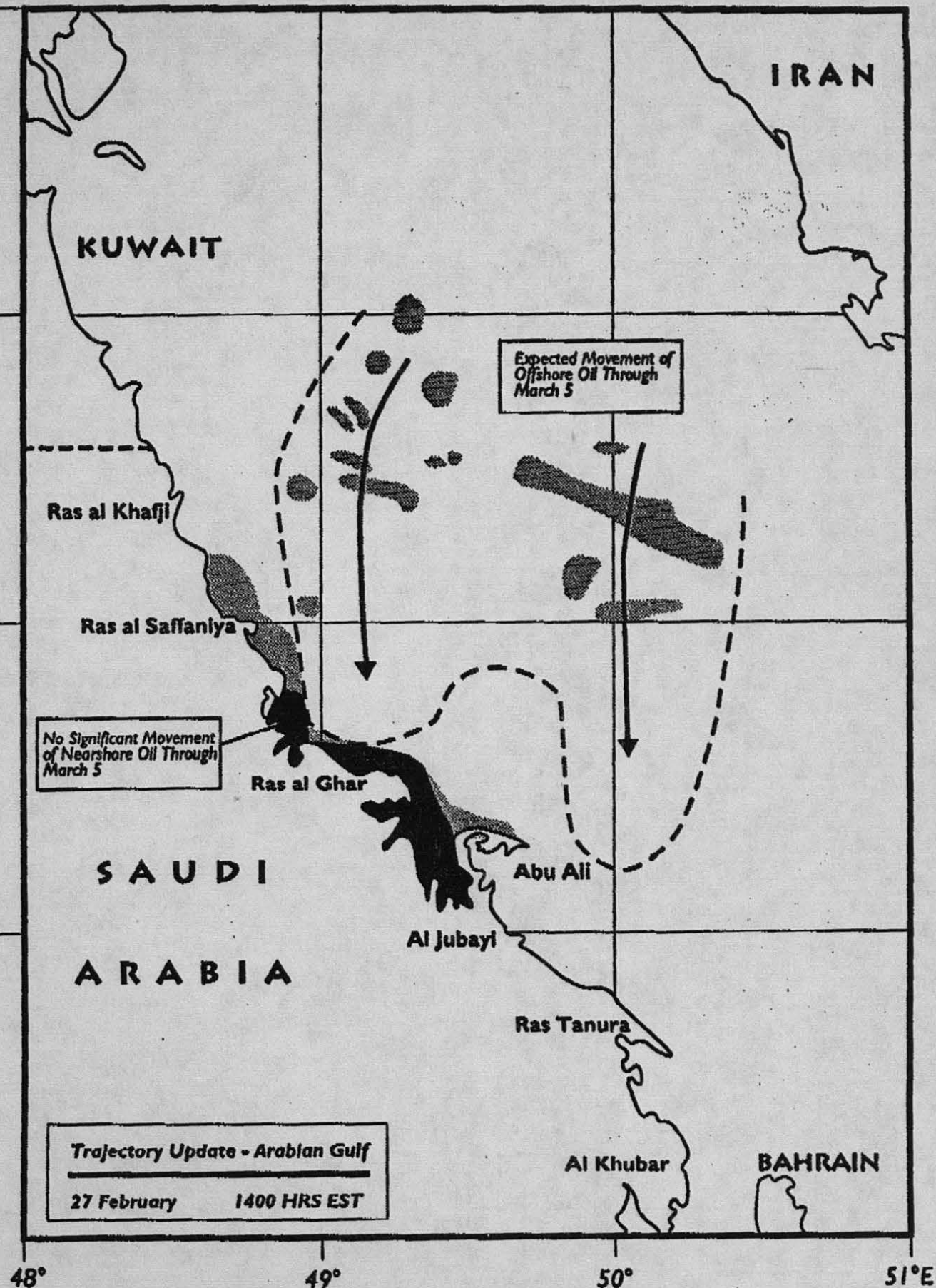


30°N

29°

28°

27°





# Withdrawal/Redaction Sheet

## (George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01. Report	Coast Guard Report--Persian Gulf Oil Spill (3 pp.)	2/27/91	(b)(1)	C

**Collection:**

**Record Group:** Bush Presidential Records  
**Office:** Domestic Policy Council  
**Series:** Schulteiss, Dean  
**Subseries:** Subject File  
**WHORM Cat.:**  
**File Location:** Iraqi Oil Spill [3]

<b>Date Closed:</b>	10/11/1998	<b>OA/ID Number:</b>	Cf00533-008
<b>FOIA/SYS Case #:</b>	1998-0099-F	<b>Appeal Case #:</b>	
<b>Re-review Case #:</b>		<b>Appeal Disposition:</b>	
<b>P-2/P-5 Review Case #:</b>		<b>Disposition Date:</b>	
<b>AR Case #:</b>		<b>MR Case #:</b>	
<b>AR Disposition:</b>		<b>MR Disposition:</b>	
<b>AR Disposition Date:</b>		<b>MR Disposition Date:</b>	

### RESTRICTION CODES

**Presidential Records Act - [44 U.S.C. 2204(a)]**

P-1 National Security Classified Information [(a)(1) of the PRA]  
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]  
P-3 Release would violate a Federal statute [(a)(3) of the PRA]  
P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]  
P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]  
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

**Freedom of Information Act - [5 U.S.C. 552(b)]**

(b)(1) National security classified information [(b)(1) of the FOIA]  
(b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]  
(b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]  
(b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]  
(b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]  
(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]  
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]  
(b)(9) Release would disclose geological or geophysical information

# Withdrawal/Redaction Sheet

## (George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
02. Report	Coast Guard Report--Persian Gulf Oil Spill (3 pp.)	2/26/91	(b)(1)	C

**Collection:**

**Record Group:** Bush Presidential Records

**Office:** Domestic Policy Council

**Series:** Schulteiss, Dean

**Subseries:** Subject File

**WHORM Cat.:**

**File Location:** Iraqi Oil Spill [3]

**Date Closed:** 10/11/1998

**OA/ID Number:** Cf00533-008

**FOIA/SYS Case #:** 1998-0099-F

**Appeal Case #:**

**Re-review Case #:**

**Appeal Disposition:**

**P-2/P-5 Review Case #:**

**Disposition Date:**

**AR Case #:**

**MR Case #:**

**AR Disposition:**

**MR Disposition:**

**AR Disposition Date:**

**MR Disposition Date:**

### RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

Freedom of Information Act - [5 U.S.C. 552(b)]

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# Withdrawal/Redaction Sheet

## (George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
03. Report	Coast Guard Report--Persian Gulf Oil Spill (4 pp.)	2/25/91	(b)(1)	S

**Collection:**

**Record Group:** Bush Presidential Records  
**Office:** Domestic Policy Council  
**Series:** Schulteiss, Dean  
**Subseries:** Subject File  
**WHORM Cat.:**  
**File Location:** Iraqi Oil Spill [3]

<b>Date Closed:</b> 10/11/1998	<b>OA/ID Number:</b> Cf00533-008
<b>FOIA/SYS Case #:</b> 1998-0099-F	<b>Appeal Case #:</b>
<b>Re-review Case #:</b>	<b>Appeal Disposition:</b>
<b>P-2/P-5 Review Case #:</b>	<b>Disposition Date:</b>
<b>AR Case #:</b>	<b>MR Case #:</b>
<b>AR Disposition:</b>	<b>MR Disposition:</b>
<b>AR Disposition Date:</b>	<b>MR Disposition Date:</b>

### RESTRICTION CODES

**Presidential Records Act - [44 U.S.C. 2204(a)]**

P-1 National Security Classified Information [(a)(1) of the PRA]  
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]  
P-3 Release would violate a Federal statute [(a)(3) of the PRA]  
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From: CAPT William F. Holt, USCG  
Chief, Marine Environmental Protection Division

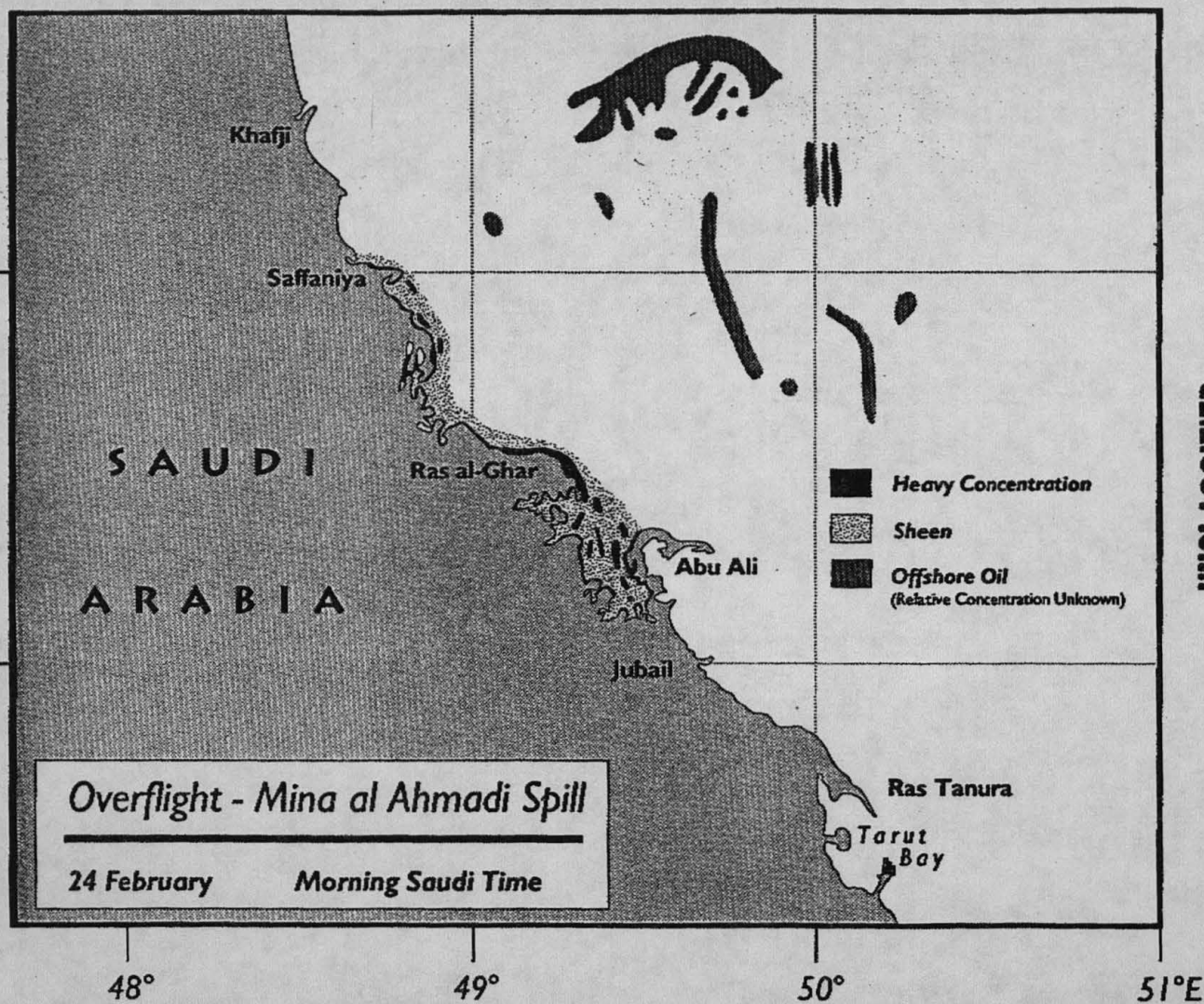
25 Feb 91

To:	<u>Agency</u>	<u>POC</u>	<u>FAX</u>
	White House Situation Room	Steve Danzansky	202-456-2223
	D.O.E.	Mr. John Easton "SDO"	202-586-0420
	D.O.S.	Bob Blumberg/ Tucker Scully Oil Spill Task Force-Scully/Blumberg	202-647-6610
	DOD Crisis Coord Center	Joe Muckerman	703-697-1920
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	EPA Emerg. Ops Cntr	Jim Makris	202-252-0154
	IMO	CDR Pascoe	011-44-071-587-3238
	Canadian Coast Guard	Mr. Tom Ring	613-998-4168
	CAPT Viglienzzone	U.S. Coast Guard	703-693-6564
	U.S. Coast Guard Congressional Affairs	CAPT Hull	202-366-2351

Attached are two pages of oil spill overflight information.

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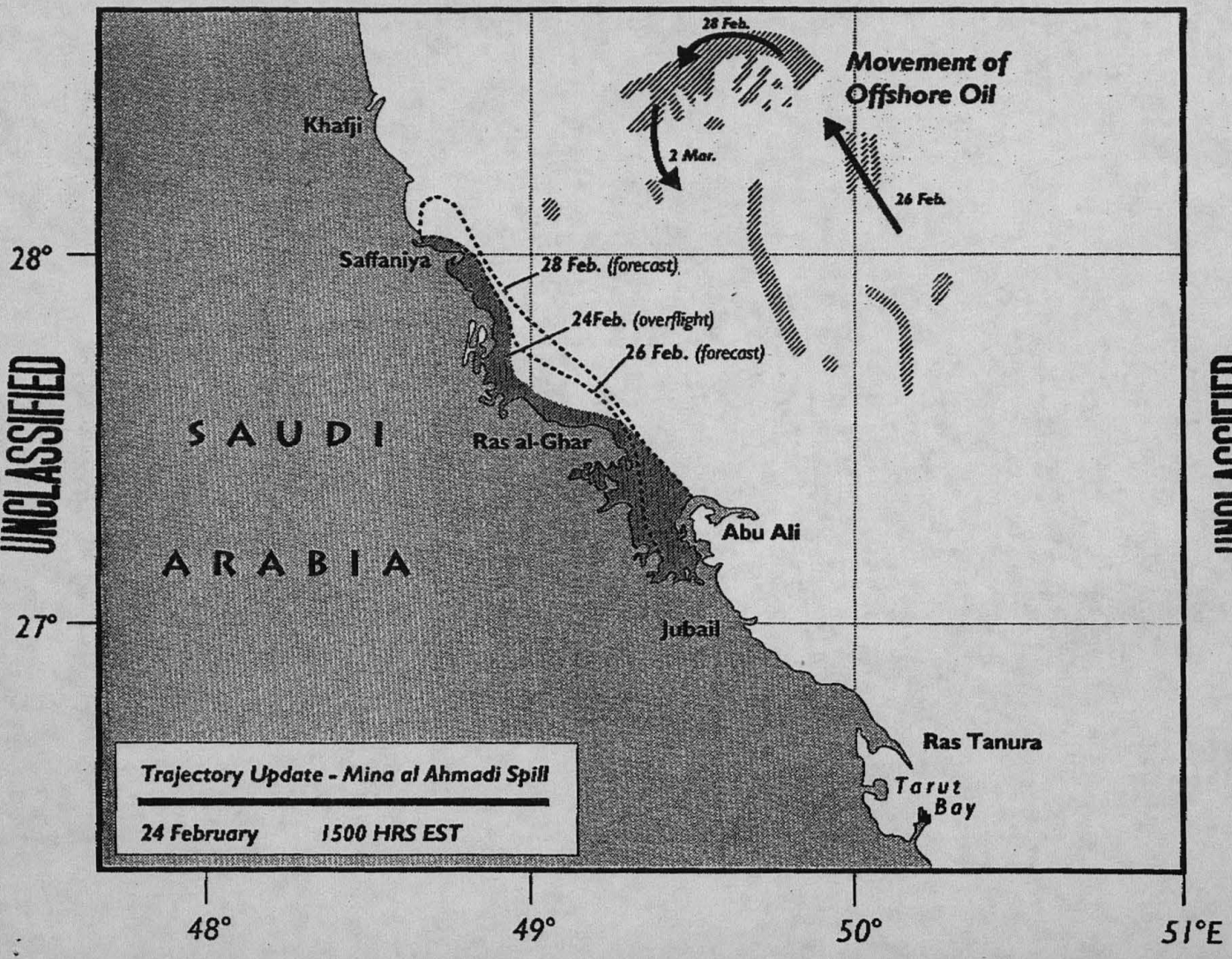
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# UNITED STATES COAST GUARD

## MARINE ENVIRONMENTAL PROTECTION DIVISION



### TELECOPIER COVER SHEET

TIME: 1050  
DATE: 22 FEBRUARY 1991

NUMBER OF PAGES INCLUDING  
THIS PAGE: 3

TO: STEVE DANZANSKY

FROM: Cdr Spiekman, USCG  
MARINE ENV. PROTECTION DIV

PHONE: 456-6630

PHONE: 267-0518

SUBJ: ALPHA ENVIRONMENTAL

CAPT HOLT ASKS THAT I PROVIDE YOU WITH THE ATTACHED  
INFORMATION.

COMMENTS REQUESTED BY: N/A

THE NUMBER FOR THIS FASCIMILE MACHINE IS (202) 267-4085

A special subcommittee of the Saudi Scientific Committee was established by Dr. Tawfiq to facilitate decisions on the use of bioremedial agents. The subcommittee is headed by Dr. Ibrahim Alam. Captain Jensen, USCG tasked LCDR Gary Petrae, NOAA and Dr. Peter Hinchcliffe (U.K. Department of Transport) to assist the subcommittee in their deliberations. The subcommittee has been meeting daily since February 16. Over 60 companies have submitted proposals for the use of biological agents, including over 45 from the United States.

The issue of full technical guidance mentioned in the first paragraph of Alpha Environmental's letter deserves some discussion. At their first meeting, the bioremediation subcommittee members expressed concerns about the efficacy, toxicity and threat system proposed by Alpha Environmental. They were requested to provide additional information addressing these concerns. Subsequent meetings were held to review additional information submittals and to work together to prepare a plan for a two-phase demonstration. Phase one was to be aquaria tests to measure effectiveness and toxicity of the Alpha Environmental system using oil from the Gulf slick. If the system was shown to be effective through chemical analysis in enhancing natural biodegradation, if no serious toxicity to marine organisms was shown and if additional information indicated that there was no threat to human health or the environment from the microbe culture, then it was proposed to conduct phase two-a small-scale field demonstration. Information was provided indicating potential toxicity hazards from the nutrient mix and from the bioremediation system overall. A limited amount of effectiveness data was provided. Phone conversations, at Alpha Environmental's invitation, with U.K. labs indicated that the effectiveness tests to date have shown limited effects and that the toxicity tests were inconclusive. Information was provided from the Chief of Pathology at a U.S. hospital that indicated the Alpha Environmental system bacteria culture did not contain some known human pathogens. There was no information addressing the possibility of pathogenicity to marine species. On February 19, 1991, Alpha Environmental terminated discussions and their proposal was reviewed by the subcommittee using all the available information and the draft protocol for bioremediation proposal review.

Regarding the issue of "Enthusiastic Support" contained in the second paragraph, neither Dr. Al-Gain nor Prince Fahd share the stated "enthusiasm." During an overflight on February 21, 1991 with Dr. Al-Gain, Captain Jensen discussed the issue of bioremediation with him at length. Dr. Al-Gain's concern centers around the introduction of non-indigenous micro-organisms into the Arabian Gulf. The Gulf experiences a tremendous number of oil spills annually and has built up a very active indigenous micro-organism population. He is concerned over the long-term



effects of the added micro organisms. In a meeting February 16, 1991 with Prince Fahd, the Vice Governor of the Eastern Province, Dr. Tawfiq, Dr. Dabbagth, and Captain Jensen, Prince Fahd raised the issue of bioremediation. Dr. Tawfiq shared the same concern expressed by Dr. Al-Gain, Prince Fahd appeared to concur completely.

The third paragraph alleges that LCDR Petrae, NOAA, Dr. Bill Lehr, NOAA, and Mr. Bob Caron, EPA, have mounted a negative effort to block a trial deployment. Other than attending the first Bioremediation Subcommittee meeting, Dr. Lehr and Mr. Caron have had no direct input into the issue. As mentioned above, LCDR Petrae and Dr. Peter Hinchcliffe have been involved, in an advisory role, in the activities of the subcommittee. The Bioremediation Subcommittee, has been developing a protocol to be applied in the certification of any one of the many bioremediation proposals received to date. Dr. Dabbagh, has on several occasions expressed his appreciation to Captain Jensen for the positive contributions and professionalism shown by both LCDR Petrae and Dr. Hinchcliffe.

With respect to paragraph four, it is Captain Jensen's strong impression that the entire senior response organization staff, including Dr. Al-Gain, Dr. Tawfiq and Dr. Dabbagh, is professionally comfortable with the Saudi strategy for certification and use protocols in final development concerning the bioremediation issue.

The Saudis are clearly developing their own policy guidance concerning bioremediation. The International Interagency Assessment Team, through its U.S. and U.K. members, is merely providing input based on professional knowledge and collective experience. In my opinion, the Saudis are to be applauded for their deliberate and professional approach to dealing with this controversial issue in a technical and no-political manner.



# CRISIS ACTION CENTER

## TELEFAX

U.S. Department  
of Transportation

United States  
Coast Guard



TODAY'S DATE \_\_\_\_\_ TIME OF TRANSMISSION \_\_\_\_\_

THIS WILL BE A TRANSMISSION OF \_\_\_\_\_ PAGES INCLUDING THIS COVER SHEET

TO: MR. STEVE DANZANSKY

COMPANY/UNIT: WHITE HOUSE SITUATION ROOM

PHONE: 202-395-1206

FROM: CDR LENTSCH

USCG HEADQUARTERS

PHONE: 267-0440

LOCATED: U. S. COAST GUARD HEADQUARTERS  
ROOM 2611 (CAC)  
2100 SECOND STREET, SW  
WASHINGTON, DC 20593-0001

PHONE: (FTS) 267-2101  
FAX: (FTS) 267-2107

U.S. Department  
of Transportation

United States  
Coast Guard



UNCLASSIFIED

MAILING ADDRESS:

PERSIAN GULF OIL SPILL (U)  
SITREP 20  
22 FEB 1991

1. (U) International Interagency Assessment Team (IIAT) Report:

A. (U) No change in funding status. Discussions with Dr. Al-Gain indicate optimism that funding is imminent. Ministry of Finance has authorized funding, with MEPA/Aramco jointly approving all contracted efforts. Aramco will provide upfront funding for clean-up effort with ultimate reimbursement by the Peace Fund. Details to be hopefully worked out by 2/23/91.

B. (U) Relief personnel for USCG, NOAA, and DOE to depart for Bahrain on Friday, 2/22/91. Plans for the EPA and USACOE reliefs pend.

C. (U) IIAT members completed assistance in developing detailed equipment and response methods proposals for anticipated initial \$50 million funding. Proposal submitted by MEPA to Aramco for their input/concurrence. Jointly approved proposal to be submitted to the Ministry of Finance to trigger initial release of funds.

D. (U) AIREYE conducted overflight. Weather a little more favorable for effective resolution of SLAR. Crew experimenting with different swath widths and altitudes to identify best mix. Good progress made. Anticipate further refinements each day for next week or so. Film dropped off in Dhahran for review by IIAT. Information to be shared with all interested parties. Raw data (SLAR film, video tapes) to be restricted due to possible wartime operational impacts.

E. (U) ACOE, NSF, and IMO representatives met with Aramco and MEPA representatives to develop detailed plan of action for discussions 2/22/91 with middle east dredging interests on contracting dredging technology in oil recovery operations.

F. (U) Conducted comprehensive shoreside recon of Ras Al Zawr south to Abu Ali. Recovery efforts in Ras Al Zawr netted a reported 30,000 gallons of oil. First gallon award to be presented.

G. (U) Intend to conduct detailed review of occupational health proposal for clean-up.

2. (U) Other Government's Requests for Assistance:

A. (U) Final arrangements for CG rep to Bahrain's trip to Qatar in response to official request for USIAT visit on 2/23/91 completed.

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## PERSIAN GULF OIL SPILL (U) SITREP 20 Cont'd 22 FEB 1991

### 3. (U) Fish and Wildlife Issues:

A. (U) U.S. Fish & Wildlife Service representative to join IIAT. See paragraph 1.B.

### 4. (U) International Efforts:

A. (U) No new information

### 5. (U) Spill Trajectory

A. (U) Overflight, 0730-1200, 21 February 1991 (Saudi time)

#### 1) (U) Mina al Ahmadi Spill:

Note: Southeast winds continue to push oil to the WNW and into coastal embayments.

a) (U) Ras al Saffaniya to Tanajib: Heavy concentrations of oil continue to bleed off the beaches at Ras al Saffaniya and Tanajib.

b) (U) Tanajib to Ras al-Ghar: There are Heavy beach impacts between Tanajib and Ras al-Ghar. Oil continues to accumulate in the embayments south of Tanajib.

c) (U) Ras al-Ghar to Ras az Zawr: The entire peninsula is impacted, with heavy concentrations of oil bleeding off the beaches.

d) (U) Ras az Zawr to Abu Ali: Heavy concentrations of floating oil continue to be reported between Ras az Zawr and the northwestern portion of Abu Ali. The heaviest concentrations are floating between Jinnah Island and Dawhat Ad Dafi. Heavy beach impacts continue along the entire shoreline between Ras az Zawr and Abu Ali.

e) (U) Abu Ali to Dawhat Abu Ali: No oil was observed floating off the eastern end of Abu Ali.

#### 2) (U) Offshore Oil Sheen:

a) (U) The offshore islands Jazirat Kurayn, Jazirat Koren, and Jazirat Harqus are surrounded by sheens. There are also sheens reported around the Marjan oilfield. The source(s) of these sheens are unknown.

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## PERSIAN GULF OIL SPILL (U) SITREP 20 Cont'd 22 FEB 1991

B. (U) NSF member, new DOE representative Jeff Hardey, and KFUPM representative David Lennon conducted overflight in USN C-12. Visibility impaired due to blowing sand and fog. Physical observations on this flight consistent with "raw" AIREYE video collected on 2/20/91.

### C. (U) Spill Trajectory - 1600 EST, 20 February 1991

#### 1) Mina Al Ahmadi Spill

a) (U) Winds are forecast to be from the NNW through the evening of Saturday, 23 February, becoming SE by the morning of Tuesday, 26 February. During the period of NW winds, the oil will move further offshore and to the southeast along the entire coastline, with sheens expected to again round the tip of Abu Ali. There is a possibility of beach impacts between Jubail and south side of Abu Ali from any oil that rounds the point at Abu Ali.

#### 6. (U) Future Spill Potential:

A. (U) No new information.

#### 7. (U) Other Pertinent Information:

A. (U) The two C-130 aircraft that accompanied the two AIREYE aircraft to Bahrain are on the return leg of the flight. They are scheduled to return to their Air Station on Sunday, 24 February.

# UNCLASSIFIED

# Withdrawal/Redaction Sheet

## (George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
04. Cable	From American Embassy, Brussels to SECSTATE Re: Gulf Oil Slick: EC Commission working to improve coordination with IMO (4 pp.)	2/15/91	(b)(1)	C

**Collection:**

**Record Group:** Bush Presidential Records  
**Office:** Domestic Policy Council  
**Series:** Schulteiss, Dean  
**Subseries:** Subject File  
**WHORM Cat.:**  
**File Location:** Iraqi Oil Spill [3]

**Document Declassified**  
**(Document Follows)**  
 By AM (NLGB) on 11/9/1999

<b>Date Closed:</b> 10/11/1998	<b>OA/ID Number:</b> Cf00533-008
<b>FOIA/SYS Case #:</b> 1998-0099-F	<b>Appeal Case #:</b>
<b>Re-review Case #:</b>	<b>Appeal Disposition:</b>
<b>P-2/P-5 Review Case #:</b>	<b>Disposition Date:</b>
<b>AR Case #:</b> 98-0099-F/1(63)	<b>MR Case #:</b>
<b>AR Disposition:</b> Released in Full	<b>MR Disposition:</b>
<b>AR Disposition Date:</b> 11/9/1999	<b>MR Disposition Date:</b>

### RESTRICTION CODES

**Presidential Records Act - [44 U.S.C. 2204(a)]**

P-1 National Security Classified Information [(a)(1) of the PRA]  
 P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]  
 P-3 Release would violate a Federal statute [(a)(3) of the PRA]  
 P-4 Release would disclose trade secrets or confidential commercial or  
 financial information [(a)(4) of the PRA]  
 P-5 Release would disclose confidential advice between the President  
 and his advisors, or between such advisors [(a)(5) of the PRA]  
 P-6 Release would constitute a clearly unwarranted invasion of  
 personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of  
 gift.

PRM. Removed as a personal record misfile.

**Freedom of Information Act - [5 U.S.C. 552(b)]**

(b)(1) National security classified information [(b)(1) of the FOIA]  
 (b)(2) Release would disclose internal personnel rules and practices of an  
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 (b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]  
 (b)(4) Release would disclose trade secrets or confidential or financial  
 information [(b)(4) of the FOIA]  
 (b)(6) Release would constitute a clearly unwarranted invasion of  
 personal privacy [(b)(6) of the FOIA]  
 (b)(7) Release would disclose information compiled for law enforcement  
 purposes [(b)(7) of the FOIA]  
 (b)(8) Release would disclose information concerning the regulation of  
 financial institutions [(b)(8) of the FOIA]  
 (b)(9) Release would disclose geological or geophysical information



PRIORITY

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WHITE HOUSE SITUATION ROOM

PAGE 01 OF 04

PRT: DANZANSKY DELAND

SIT: DEAL MELBY VAX

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<PREC> PRIORITY <CLAS> ~~CONFIDENTIAL~~ <DTG> 151426Z FEB 91

FM AMEMBASSY BRUSSELS

TO RUEHC/SECSTATE WASHDC PRIORITY 5929  
INFO RUFHLD/AMEMBASSY LONDON PRIORITY 0912  
RULSJGA/COMDT COGARD WASHDC PRIORITY  
RUEHRH/AMEMBASSY RIYADH PRIORITY 1130  
RUEHKK/EH POSTS COLLECTIVE

DECLASSIFIED  
PER E.O. 12958

98-0099.F  
2.23.00 GF

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LIMITED OFFICIAL USE SECTION 01 OF 02 BRUSSELS 02203  
STATE FOR NEA/ARP, OES/E, AND EUR/RPE  
COAST GUARD FOR NICK KILEY AND DICK SCISSORS  
FROM USEC

E.O. 12356: N/A

TAGS: SENV, EPET, MOPS, SA, EEC

SUBJECT: GULF OIL SLICK: EC COMMISSION WORKING TO  
IMPROVE COORDINATION WITH IMO

REF: A) STATE 047360 B) BRUSSELS 02116 C) BRUSSELS  
01829 D) BRUSSELS 01805

>BEGIN SUMMARY>

1. SUMMARY. EC COMMISSION OFFICIAL ALESSANDRO BARISICH  
OF THE DIRECTORATE-GENERAL FOR ENVIRONMENT (DG-XI)  
ADMITS THAT THE COMMISSION IS HAVING COORDINATION  
PROBLEMS REGARDING THE GULF OIL SLICK BOTH WITH THE IMO  
AND WITH THE EC MEMBER STATES. HOWEVER, THE COMMISSION  
BELIEVES THAT THE IMO IS DOING "AN EXCELLENT JOB" IN ITS  
EFFORTS WITH SAUDI ARABIA AND WOULD LIKE TO IMPROVE  
EC-IMO COORDINATION. THE PROBLEM, THE COMMISSION  
BELIEVES, IS THAT THE ROLE OF THE EC VIS-A-VIS THE IMO,  
WHICH IS USED TO WORKING WITH SINGLE PARTIES, HAS NOT  
BEEN SUFFICIENTLY "CLARIFIED" AND SUGGESTS THAT, IN

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## WHITE HOUSE SITUATION ROOM

PAGE 02 OF 04

QUIETER TIMES, THIS ISSUE BE SORTED OUT. MEANWHILE, THE COMMISSION IS TO MEET WITH EC MEMBER STATES WITHIN THE NEXT FEW DAYS TO CONSIDER WAYS TO IMPROVE COORDINATION.

2. ALTHOUGH BARISICH DID NOT SHARE ALL THE INS AND OUTS OF THE COMMISSION'S PROBLEMS WITH THE IMO, USEC BELIEVES THAT THE BASIC ISSUE IS THE COMMISSION'S RELUCTANCE TO CEDE ANY OF ITS COORDINATION AUTHORITIES WITHIN THE EC-WIDE TASK FORCE, WHICH IT HAS HELD SINCE 1989. BARISICH OFFERED TO TALK AGAIN WITH USEC OFFICER NEXT WEEK, TO INFORM THE MISSION OF DEVELOPMENTS. END SUMMARY.

3. PER REFTEL A, USEC ENVIRONMENT OFFICER SPOKE WITH EC COMMISSION OFFICIAL ALESSANDRO BARISICH, OF THE WATER PROTECTION DIVISION OF THE DIRECTORATE-GENERAL FOR ENVIRONMENT (DG-XI), CONCERNING THE CURRENT AND FUTURE STATUS OF COORDINATION BETWEEN THE COMMISSION AND THE IMO ON THE GULF OIL SLICK. USEC OFFICER BRIEFLY OUTLINED USG CONCERNS REGARDING POSSIBLE PROBLEMS IN CURRENT COORDINATION.

4. ACCORDING TO BARISICH, THE COMMISSION HAS BEEN SENDING INFORMATION CONCERNING EC ACTIVITIES ON THE SLICK TO THE IMO. THE INFORMATION FORWARDED INCLUDES THE INFORMATION SHEETS PUT OUT BY THE COMMISSION (REFTEL

B AND PREVIOUS) AND ALSO SOME OTHER CORRESPONDENCE (NO DETAILS). MISSION NOTES THAT COMMISSION INFORMATION SHEET NUMBER 2 DATED FEBRUARY 2 (REFTEL C), STATES THAT THE COMMISSION-COORDINATED, EC-WIDE TASK FORCE "AGREED ON THE IMPORTANCE OF CLOSE COOPERATION WITH IMO AND OTHER RELEVANT NATIONAL AND INTERNATIONAL ORGANIZATIONS".

5. THAT SAID, BARISICH ADMITTED RATHER FREELY THAT, "AT THIS STAGE THE COMMISSION IS NOT YET IN THE FULLEST SPIRIT OF COOPERATION" WITH THE IMO. HE NOTED THAT THE IMO IS TRYING TO ESTABLISH WORLD-WIDE COORDINATION OF EFFORTS ON THE SLICK. AT THE SAME TIME, THE COMMISSION IS ATTEMPTING TO ESTABLISH REGIONAL COORDINATION AMONG

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WHITE HOUSE SITUATION ROOM

PAGE 03 OF 04

THE EC MEMBER STATES. ALL THIS IS TAKING PLACE AGAINST A BACKDROP OF A GREAT DEAL OF "AGITATION", "HIGH EMOTIONS", AND AN "EMERGENCY SITUATION".

6. THE COMMISSION BELIEVES THAT THE IMO IS DOING "AN EXCELLENT JOB" IN ITS EFFORTS AND THE COMMISSION WOULD BE "HAPPY TO COORDINATE WITH THE IMO". HOWEVER, COMMISSION OFFICIALS APPARENTLY ARE SATISFIED NEITHER WITH THE COORDINATION AMONG THE MEMBER STATES AND THE COMMISSION NOR WITH THE POSSIBILITY OF CRITICISM REGARDING EC COORDINATION WITH THE IMO. THEY ARE GOING TO MEET WITH THE MEMBER STATES WITHIN OF NEXT FEW DAYS TO DISCUSS IMPROVING COORDINATION.

7. BARISICH NOTED THAT THE IMO, IN GENERAL, IS MADE UP OF "SINGLE PARTIES" AND, THEREFORE, ESTABLISHING COORDINATION BETWEEN THE IMO AND A REGIONAL ORGANIZATION  
BT

#2203

BT

C O N F I D E N T I A L

LIMITED OFFICIAL USE SECTION 02 OF 02 BRUSSELS 02203  
STATE FOR NEA/ARP, OES/E, AND EUR/RPE  
COAST GUARD FOR NICK KILEY AND DICK SCISSORS  
FROM USEC

E.O. 12356: N/A

TAGS: SENV, EPET, MOPS, SA, EEC

SUBJECT: GULF OIL SLICK: EC COMMISSION WORKING TO  
IMPROVE COORDINATION WITH IMO

IS SOMEWHAT NEW AND DIFFERENT. AT THE SAME TIME, THE EC  
TASK FORCE HAS NEVER BEFORE RESPONDED TO AN EMERGENCY  
OUTSIDE THE COMMUNITY.

8. BARISICH THEN REFERRED TO THE RECENTLY-CONCLUDED  
CONVENTION ON OIL SPILLS NEGOTIATED UNDER THE AUSPICES  
OF THE IMO, NOTING THAT "PART OF THE PROBLEM" MAY LIE  
WITH THE CONVENTION. THE CONVENTION, ACCORDING TO  
BARISICH (WHO WAS ONE OF THE COMMISSION OFFICIALS  
PRESENT AT THE NEGOTIATIONS LAST NOVEMBER), CONTAINS A

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## WHITE HOUSE SITUATION ROOM

PAGE 04 OF 04

REFERENCE TO A POSSIBLE ROLE BY REGIONAL ORGANIZATIONS. HOWEVER, THAT REFERENCE NEEDS TO BE "CLARIFIED". "BUT THAT SHOULD BE DONE AT A QUIETER MOMENT", HE SAID.

(NOTE: BARISICH WAS NOT RPT NOT REFERRING TO THE COMMISSION'S REQUEST (SUPPORTED BY THE EC MEMBER STATES BUT NOT BY OTHER COUNTRIES) THAT THE EC BE ALLOWED TO SIGN/RATIFY THE CONVENTION IN ITS OWN RIGHT (REFTEL D). HE WAS REFERRING TO ANOTHER ARTICLE IN THE CONVENTION.)

9. BARISICH CLOSED BY NOTING THAT "THE OBJECTIVE IS CLEAR -- TO SUPPORT SAUDI ARABIA IN ITS EFFORTS -- AND SURELY THE COMMISSION CAN WORK TOWARDS AND MANAGE TO ESTABLISH A GOOD WORKING RELATIONSHIP WITH THE IMO TO

SUPPORT THAT OBJECTIVE".

10. BARISICH OFFERED TO INFORM THE USEC OFFICER NEXT WEEK ON DEVELOPMENTS AND THE STATUS OF COOPERATION AT THAT TIME.

11. MISSION COMMENT: CLEARLY THERE IS MORE TO THIS STORY THAN BARISICH IS SHARING WITH USEC. HOWEVER, USEC HAS NO REASON TO DOUBT, BASED ON THIS CONVERSATION, THAT THE COMMISSION WOULD LIKE TO IMPROVE ITS COORDINATION WITH THE IMO AND WILL STRIVE TO DO SO.

12. THE BASIC ISSUE SEEMS TO BE THAT, WHATEVER ROLE THE IMO HAS BEEN ASSIGNED DURING THE GULF SLICK EMERGENCY, THE COMMISSION IS NOT WILLING TO GIVE UP ITS COORDINATION ROLE WITHIN THE EC, THE EC TASK FORCE TO DEAL WITH EMERGENCIES WHICH THREATEN THE MARINE ENVIRONMENT HAS BEEN IN EXISTENCE SINCE 1989 (I.E., BEFORE THE IMO CONVENTION). THE TASK FORCE HAS RESPONDED TO EMERGENCIES WITHIN THE EC ABOUT A DOZEN TIMES SINCE ITS ESTABLISHMENT AND HAS RESPONDED SUCCESSFULLY, ACCORDING TO THE COMMISSION. WESTON

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#2203

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WHITE HOUSE SITUATION ROOM

PAGE 01 OF 02

PRT: DANZANSKY DELAND

SIT: DEAL MELBY VAX

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<PREC> PRIORITY <CLAS> UNCLASSIFIED <DTG> 151424Z FEB 91

FM AMEMBASSY BRUSSELS

TO RUEHC/SECSTATE WASHDC PRIORITY 5928  
RULSJGA/COMDT COGARD WASHDC PRIORITY  
INFO RUEHRH/AMEMBASSY RIYADH 1129  
RUEHKK/EC POSTS COLLECTIVE

UNCLAS BRUSSELS 02202  
STATE FOR NEA/ARP, OES/E, AND EUR/RPE  
STATE ALSO PASS TO EPA  
COAST GUARD FOR NICK KILEY  
PARIS ALSO FOR USOECD  
FROM USEC  
E.O. 12356: N/A

TAGS: SENV, EPET, MOPS, SA, EEC  
SUBJECT: GULF OIL SLICK -- MORE INFO ON EC ACTIVITIES  
REF: BRUSSELS 02116 AND PREVIOUS

1. INTRODUCTION AND SUMMARY. THE EC COMMISSION  
CONTINUES TO PROVIDE USEC WITH COPIES OF ITS INTERNAL  
"INFORMATION SHEETS" OUTLINING THE ACTIVITIES OF THE EC  
TASK FORCE ON OIL POLLUTION REGARDING THE OIL SLICK IN  
THE GULF. PROVIDED BELOW IS INFORMATION SHEET NUMBER  
NINE, WHICH FOLLOWS THOSE PROVIDED IN PREVIOUS CABLES  
(REFTEL). THIS SHEET PROVIDES A SHORT DESCRIPTION OF  
THE MOVEMENT OF THE SLICK, INDICATES THAT THE COMMISSION  
MAY OFFER ASSISTANCE ON WILDLIFE PROTECTION PROJECTS,  
AND CONFIRMS THE NEXT MEETING OF THE TASK FORCE IN  
BRUSSELS ON FEBRUARY 21. END INTRODUCTION AND SUMMARY.  
BEGIN TEXT OF COMMISSION INFORMATION SHEET

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TITLE: OIL POLLUTION IN THE GULF

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WHITE HOUSE SITUATION ROOM

PAGE 02 OF 02

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DATE: FEBRUARY 14, 1991

2. THE LAST INFORMATION RECEIVED FROM THE TASK FORCE ON SCENE (TFOS) EXPERTS INDICATES THAT THE OIL HAS MOVED ABOUT TEN MILES TO THE SOUTH AND ALREADY ENTERED IN THE ABU ALL BAY AND PART OF THE OIL SLICK SEEMS TO BE REACHING AND SURROUNDING THE ISLAND.

3. THE JUBAIL DESALINATION PLANT HAS BEEN PROTECTED BY A NORWEGIAN TEAM BY THE DEPLOYMENT OF 3,200 METERS OF OCEAN BOOM AND 5,000 METERS OF PORT BOOM.

4. THE COMMISSION HAS RECEIVED REQUESTS FOR ACTIONS (E.G., BIRDS CLEANING) AIMED AT PROTECTING WILDLIFE AND ECOSYSTEMS IN THE REGION.

5. WE HAVE REQUESTED OUR NEW SCIENTIFIC EXPERT TO TAKE APPROPRIATE CONTACT WITH THE RELEVANT ORGANIZATIONS ALREADY ON SCENE (SUCH AS ROYAL SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS AND SAUDI ARABIA'S NATIONAL COMMISSION FOR WILD LIFE AND DEVELOPMENT) TO FURTHER EXPLORE THIS ASPECT.

6. CONFIRMED IS THE TASK FORCE EXPERTS MEETING AT BRUSSELS FOR NEXT THURSDAY (FEBRUARY 21, 1991) AT 1430 TO BE HELD AT THE COORDINATION CENTRE, AVENUE D'AUDERGHEM 45, BREYDEL BUILDING, 3RD FLOOR.

7. THE UNITED KINGDOM, NETHERLANDS, FRANCE, AND THE COMMISSION'S EXPERTS BACK IN EUROPE AFTER THEIR MISSIONS IN THE REGION WILL REPORT AT THE MEETING.

END TEXT. WESTON

BT

#2202

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# Withdrawal/Redaction Sheet

## (George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
05. Report	Coast Guard Report--Persian Gulf Oil Spill (3 pp.)	2/15/91	(b)(1)	S

**Collection:**

**Record Group:** Bush Presidential Records  
**Office:** Domestic Policy Council  
**Series:** Schulteiss, Dean  
**Subseries:** Subject File  
**WHORM Cat.:**  
**File Location:** Iraqi Oil Spill [3]

<b>Date Closed:</b>	10/11/1998	<b>OA/ID Number:</b>	Cf00533-008
<b>FOIA/SYS Case #:</b>	1998-0099-F	<b>Appeal Case #:</b>	
<b>Re-review Case #:</b>		<b>Appeal Disposition:</b>	
<b>P-2/P-5 Review Case #:</b>		<b>Disposition Date:</b>	
<b>AR Case #:</b>		<b>MR Case #:</b>	
<b>AR Disposition:</b>		<b>MR Disposition:</b>	
<b>AR Disposition Date:</b>		<b>MR Disposition Date:</b>	

### RESTRICTION CODES

**Presidential Records Act - [44 U.S.C. 2204(a)]**

P-1 National Security Classified Information [(a)(1) of the PRA]  
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]  
P-3 Release would violate a Federal statute [(a)(3) of the PRA]  
P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]  
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P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

**Freedom of Information Act - [5 U.S.C. 552(b)]**

(b)(1) National security classified information [(b)(1) of the FOIA]  
(b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]  
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(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]  
(b)(9) Release would disclose geological or geophysical information



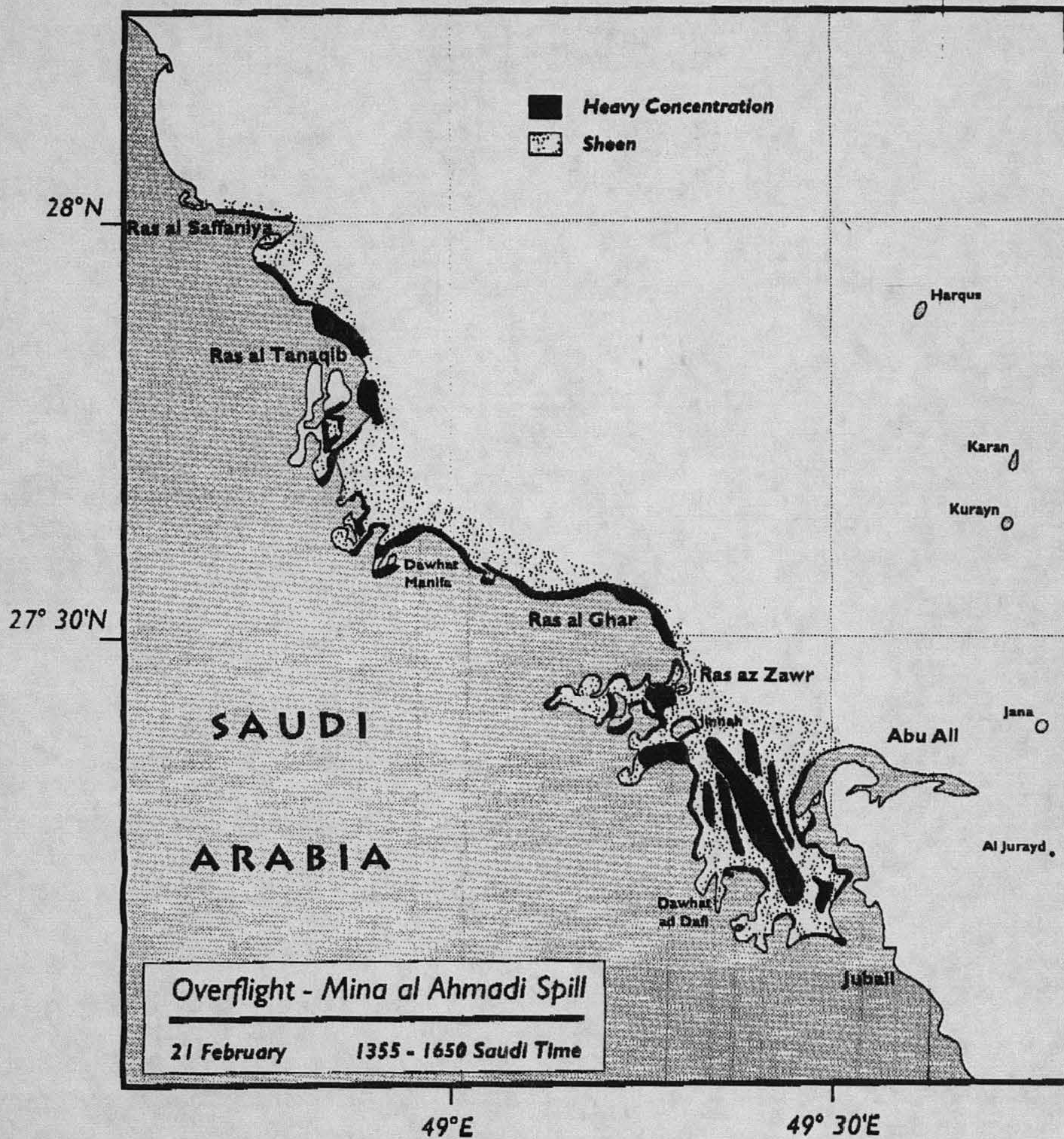
From: CAPT William F. Holt, USCG  
Chief, Marine Environmental Protection Division

22 Feb 91

To:	<u>Agency</u>	<u>POC</u>	<u>FAX</u>
	White House Situation Room	Steve Danzansky	202-456-2223
	D.O.E.	Mr. John Easton "SDO"	202-586-0420
	D.O.S.	Bob Blumberg/ Tucker Scully Oil Spill Task Force-Scully/Blumberg	202-647-6610
	DOD Crisis Coord Center	Joe Muckerman	703-697-1920
	JCS Crisis Action Team	BGen John Jumper	703-697-4801
	USACoE EOC	Gary Campbell/ John Elmore	202-272-0378
	EPA Emerg. Ops Cntr	Jim Makris	202-252-0154
	IMO	CDR Pascoe	011-44-071-587-3238
	Canadian Coast Guard	Mr. Tom Ring	613-998-4168
	CAPT Viglienzzone	U.S. Coast Guard	703-693-6564
	U.S. Coast Guard Congressional Affairs	CAPT Hull	202-366-2351

Attached are three pages of oil spill overflight information and six pages from the MEPA press briefing.

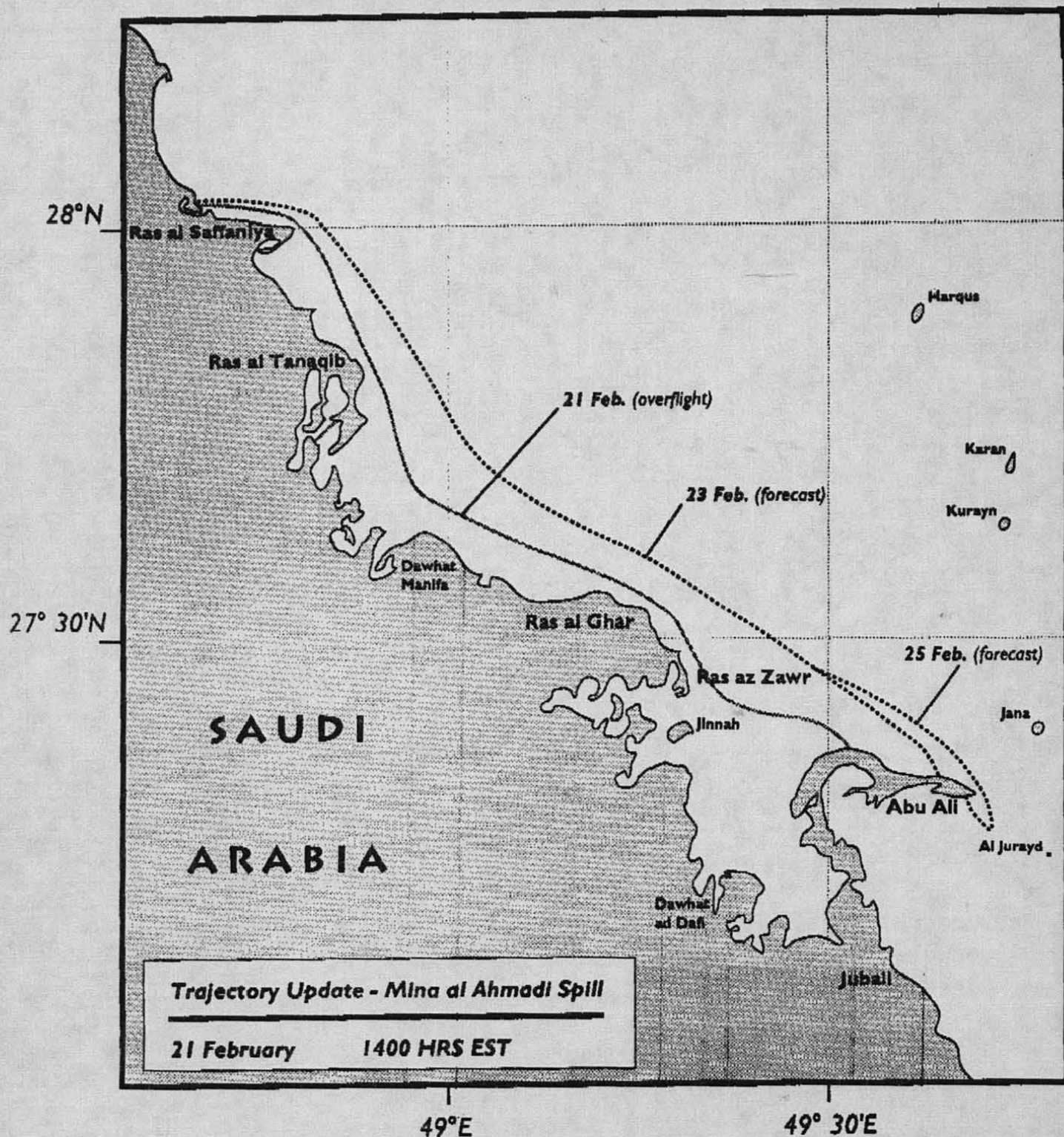
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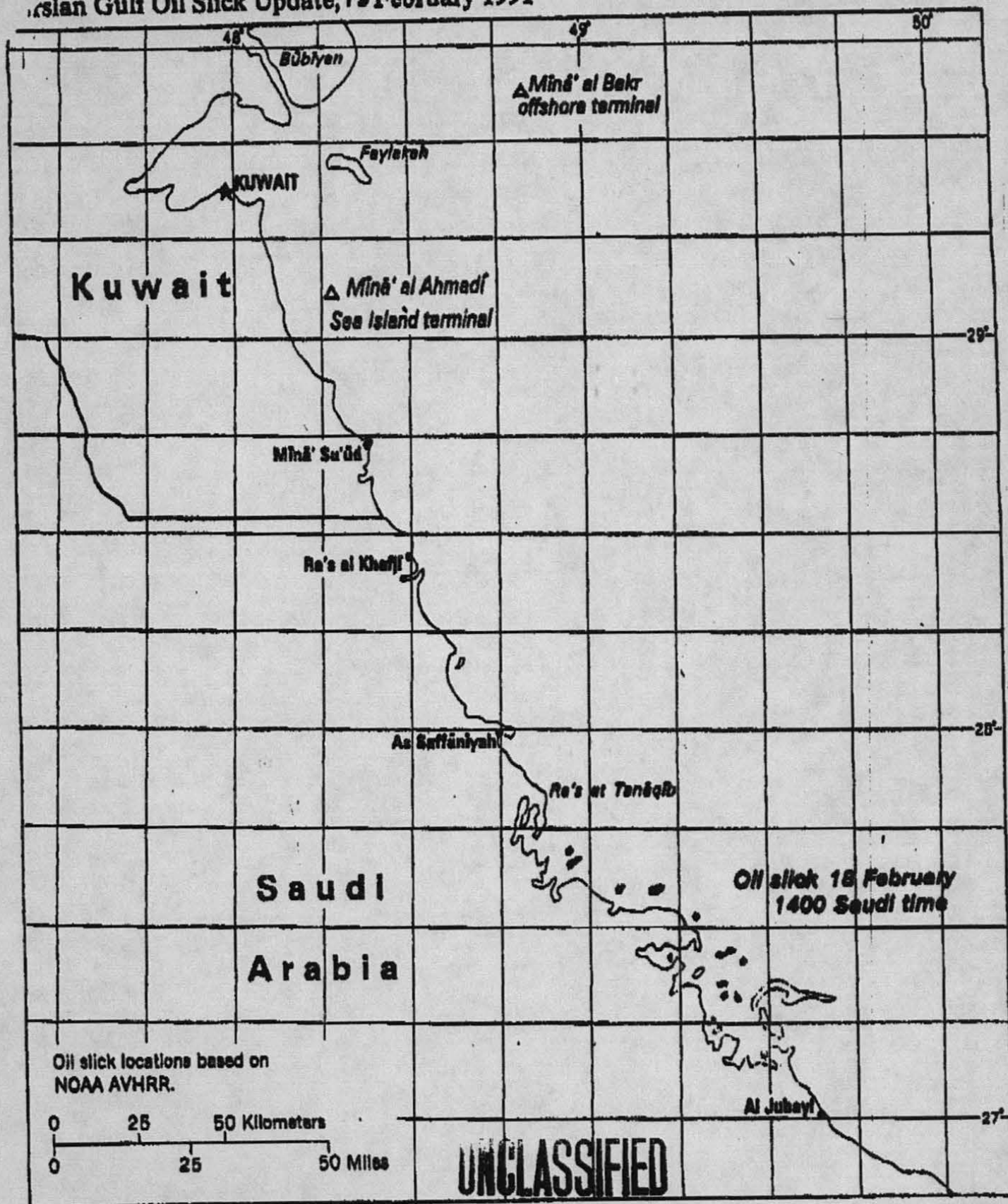


Fax Teletype 7020 ; 2-19-91 ; 11:49 ;

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12022678975: 3

## Persian Gulf Oil Slick Update, 19 February 1991



21-FEB-1991 12:34

I.M.O. CO-ORD. CTR

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71 735 7611

P.02

MINISTRY OF DEFENSE &amp; AVIATION

Ministry Of Defense &amp; Aviation

Meteorology &amp; Environmental

Protection Administration (MEPA)

Eastern Province



الجمهورية العربية السعودية  
وزارة الدفاع والطيران  
سلطة الامداد وحماية البيئة  
للبيئة البحرية

الرئيس

التاريخ

الملاحظات

الموسم

PRESS BRIEFING  
February 20, 1991

SUBJECT: RESPONSE TO OIL SPILL

PRESENTED BY:

DR. ABULBAR AL-GAIN, PH.D.

PRESIDENT

METEOROLOGICAL AND ENVIRONMENTAL PROTECTION ADMINISTRATION

GOOD AFTERNOON LADIES AND GENTLEMEN. MY NAME IS ABULBAR AL-GAIN, PRESIDENT OF THE METEOROLOGICAL AND ENVIRONMENTAL PROTECTION AGENCY, THE AGENCY WITH PRIMARY RESPONSIBILITY FOR COORDINATING THE KINGDOM'S ACTIVITIES IN RESPONSE TO THE OIL SPILL.

I AM GOING TO PROVIDE YOU WITH INFORMATION REGARDING THE KINGDOM OF SAUDI ARABIA'S EFFORTS TO DATE IN RESPONDING TO THE OIL SPILL. THIS INFORMATION WILL INCLUDE THE INFORMATION REGARDING MOVEMENT OF THE OIL SLICK, DAMAGE TO COASTAL RESOURCES, EFFORTS TO DATE TO RESPOND TO THE SPILL, FUTURE PLANS AND A BRIEF SUMMARY OF THE INTERNATIONAL EFFORT THAT HAS BEEN PROVIDED TO ASSIST US IN DEALING WITH THE IMPACTS OF THIS DELIBERATE ASSAULT ON THE NATURAL RESOURCES AND PEOPLE OF THE NATIONS SURROUNDING THE ARABIAN GULF.

FOLLOWING THIS PRESENTATION, I WILL BE AVAILABLE TO ANSWER QUESTIONS.

AS YOU KNOW FROM PREVIOUS PRESS BRIEFINGS THE SLICK HAS MOVED SLOWLY DOWN THE COAST OF SAUDI ARABIA. WE HAVE BEEN FORTUNATE IN THAT SOUTHERLY WIND CONDITIONS HAVE SLOWED ITS MOVEMENT SOMEWHAT. TODAY'S OVERFLIGHT REVEALED THAT SPILL POSITION HAS REMAINED RELATIVELY UNCHANGED AS A RESULT OF SHIFTING WIND CONDITIONS OVER THE PAST THREE DAYS. CURRENTLY THE SPILL STRETCHES FROM SAFANIYAH ON NORTH TO AD DAFI BAY TO THE SOUTH. HEAVIEST IMPACTS ARE FOUND ALONG THE SHORELINE FROM MANIFAH SOUTH TO AD DAFI. EXPECTED WEATHER CONDITIONS OVER THE NEXT 48 HOURS MAY MOVE THE SLICK TO THE NORTH TO RAS AL ZAWR. AT ITS CURRENT LOCATION CONFERENCE, THE SOUTHERLY PORTION OF THE SLICK IS CONCENTRATED IN AD DAFI BAY, AN AREA OF GREAT IMPORTANCE TO WILDLIFE AND FISHERY RESOURCES.

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21-FEB-1991 12:35

I.M.O. CO-ORD. CTR

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P.83

**Kingdom of Saudi Arabia**  
**Ministry Of Defence & Aviation**  
**Meteorology & Environmental**  
**Protection Administration (MEPA)**  
**Eastern Province**

**UNCLASSIFIED**

المملكة العربية السعودية  
 وزارة الدفاع والطيران  
 سلطة الأرصاد وحماية البيئة  
 المنطقة الشرقية

الرقم :

التاريخ :

المرفقات :

الموضوع :

IN ASSESSING APPROPRIATE RESPONSE ACTIVITIES WE HAVE BEEN FORTUNATE IN THAT THE KINGDOM ENJOYS A STRONG AND COMPETENT SCIENTIFIC COMMUNITY. THE SCIENTIFIC SUBGROUP HAS BEEN ABLE TO FREELY DRAW UPON THESE RESOURCES. IN PARTICULAR, THE MODELING GROUP AT KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS (KFUPM) HAS BEEN SUCCESSFUL AT PROJECTING SPILL TRAJECTORY. THEIR EFFORTS ENABLE US TO ASSESS THE NEAR TERM RISK AND TARGET OUR ACTIVITIES SO THAT THEY MIGHT ACHIEVE MAXIMUM SUCCESS WITH THE RESOURCES AVAILABLE.

THE SCIENTIFIC SUBGROUP HAS FOCUSED CONSIDERABLE RESOURCES ON PROVIDING ASSISTANCE IN EVALUATING ENVIRONMENTAL IMPACTS, ASSESSING POTENTIAL DISPOSAL SITES AND PROPOSALS FOR DISPERSANT USE, IN-SITU BURNING, BIOREMEDIATION, AND THE MANY OFFERS WHICH WE HAVE RECEIVED FROM INDUSTRY.

ONE OF THE EARLY IMPORTANT EFFORTS UNDERTAKEN BY THE SCIENTIFIC SUBGROUP WAS THE EVALUATION OF AREAS OF IMPORTANCE TO NATURAL RESOURCES. THIS INFORMATION ALLOWED THE OIL SPILL RESPONSE EFFORT TO TARGET ITS EFFORTS. SCIENTISTS FROM THE NATIONAL COMMISSION FOR WILDLIFE CONSERVATION AND DEVELOPMENT AND KFUPM, ALONG WITH EXPERTS PROVIDED THROUGH INTERNATIONAL ASSISTANCE CONTINUE TO PROVIDE IMPORTANT ENVIRONMENTAL PLANNING AND TARGETING DATA.

THE NATIONAL COMMISSION HAS ALSO ESTABLISHED WILDLIFE RECOVERY CENTERS AT JUBAYL, RAS TANURA AND TANAJEES WHICH ARE WORKING AT THE HEARTBREAKING TASK OF TRYING TO TREAT THE MANY THOUSANDS OF BIRDS, TURTLES, DUGONGS AND OTHER WILDLIFE THAT HAVE FALLEN VICTIM TO SADDAM HUSSEIN'S WAR AGAINST THE NATURAL WORLD AND THE HERITAGE OF OUR COMMON FUTURE.

THE KINGDOM IS NOW MOVING RAPIDLY TO ESTABLISH THE PHYSICAL INFRASTRUCTURE NECESSARY TO PROTECT MANY OF THE SPECIES ENDEMIC TO THE ARABIAN GULF. THE EFFORT WILL BE PRIORITIZED TOWARDS THOSE SPECIES WHICH ARE THREATENED AND ENDANGERED AND THEREFORE MOST SUSCEPTIBLE TO A CATASTROPHE OF THIS MAGNITUDE. SPECIES SUCH AS THE SUCH AS THE DUGONG, THE HAWKSBILL AND THE SOCTORA CORMORANT WILL BE AMONG THE HIGHEST PRIORITIES.

THE SCIENTIFIC EFFORT HAS BEEN GREATLY AUGMENTED BY AN OUTPOURING OF INTERNATIONAL RESPONSE. WHATEVER SUCCESSES HAVE BEEN ACHIEVED CAN BE ATTRIBUTED TO THE SYNERGISM BETWEEN THE KINGDOM'S SCIENTISTS AND CONTRIBUTIONS FROM JAPAN, FROM NORWAY, HOLLAND, THE UNITED STATES, UNITED KINGDOM, UNITED NATIONS ENVIRONMENT

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21-FEB-1991 12:36

I.M.D. CO-ORD. CTR.

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P.04

**MINISTRY OF SAUDI ARABIA**  
**Ministry Of Defence & Aviation**  
**Meteorology & Environmental**  
**Protection Administration (MEPA)**  
**Eastern Province**

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المملكة العربية السعودية  
 وزارة الدفاع والطيران  
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 المنطقة الشرقية

: الرقم

: التاريخ

: المرفقات

: الموضوع

PROGRAM, THE EUROPEAN COMMUNITY. WE ANTICIPATE THAT THIS SYNERGISM WILL GROW WITH THE ANTICIPATED ADDITION OF SCIENTISTS FROM GERMANY, DENMARK, THE INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE AND THE SOVIET UNION.

EFFORTS ARE CURRENTLY UNDERWAY BY THE REGIONAL ORGANIZATION FOR THE PROTECTION OF THE MARINE ENVIRONMENT (ROPNE) IN BAHRAIN TO EXPEDITE REGIONAL COOPERATION AND INCREASE PARTICIPATION BY TECHNICAL RESOURCES THROUGHOUT THE REGION.

THE INTERNATIONAL MARITIME ORGANIZATION HAS PLAYED A VITAL ROLE IN COORDINATING THIS INTERNATIONAL EFFORT. THEY HAVE BEEN PARTICULARLY HELPFUL IN FIELDING THE NUMEROUS OFFERS OF ASSISTANCE FROM TECHNICAL FIRMS THROUGHOUT THE WORLD. ALMOST ALL OF THESE PROPOSALS HAVE BEEN CAREFULLY EVALUATED AND, WHERE APPROPRIATE, INCLUDED IN PLANS FOR IMPLEMENTATION.

IMPLEMENTATION PLANS INCLUDE BOTH IMMEDIATE RESPONSE AND FACILITIES PROTECTION AS WELL AS LONG TERM ELEMENTS. DETAILS OF THESE PLANS WILL BE FORTHCOMING IN THE NEAR FUTURE.

AT PRESENT, THE TOTAL VOLUME OF THE SPILL REMAINS UNKNOWN BECAUSE OF THE MILITARY SITUATION ABOVE THE GENEVA LINE. AN ESTIMATE OF THE PORTION OF THE SPILL THAT HAS BEEN OBSERVED BY OIL SPILL RESPONSE CENTER STAFF DURING THEIR OVERFLIGHTS RANGED FROM 500,000 TO 3 MILLION BARRELS. A PRELIMINARY ANALYSIS OF REMOTE SENSING DATA BY KFUPM HAS SUGGESTED A 2 MILLION BARREL ESTIMATE.

MORE DETAILED INFORMATION WILL SOON BE AVAILABLE WHEN THE AIR EYE SIDE LOOKING RADAR PLANE PROVIDED BY THE UNITED STATES GOVERNMENT IS ABLE TO ARRANGE A FLIGHT ABOVE THE GENEVA LINE AND ASSESS THE AMOUNT AND LOCATION OF OIL. UNTIL THESE DATA BECOME AVAILABLE, WE CONTINUE OPERATE ON THE ASSUMPTION THAT THERE IS A LARGE SPILL LOCATED NORTH OF THE LINE THAT CAN BE EXPECTED TO IMPACT IN THE FUTURE.

FUNDING FOR IMPLEMENTATION HAS BEEN COMMITTED FOR A COORDINATED EFFORT THAT WILL INCLUDE PROTECTION OF ENVIRONMENTAL AND STRATEGIC RESOURCES, RECOVERY OF OIL AT SEA AND FROM THE LAND AS WELL AS ENVIRONMENTAL CLEAN UP AND REHABILITATION EFFORTS.

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21-FEB-1991 12:37

I.M.O. CO-ORD.

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**KINGDOM OF SAUDI ARABIA**  
 Ministry Of Defence & Aviation  
 Meteorology & Environmental  
 Protection Administration (MEPA)  
 Eastern Province



المملكة العربية السعودية  
 وزارة الدفاع والطيران  
 مصلحة الارصاد وحماية البيئة  
 المنطقة الشرقية

: الرقم

: التاريخ

: الملاحظات

: الموضوع

TEAM EFFORTS TO DATE HAVE EXERCISED GREAT INGENUITY, STRETCHING THE AVAILABLE RESOURCES TO THE LIMIT. AS A RESULT VITAL FACILITIES HAVE BEEN PROTECTED THROUGH THE EFFORTS OF INDIVIDUAL AGENCIES, ARAMCO, SCECO, SWCC, PORTS AUTHORITY, JUBAYL ROYAL COMMISSION, THE MILITARY.

OIL SPILL RESPONSE CENTER STAFF SUPPLEMENT THOSE ACTIVITIES WITH EXPERTISE, EQUIPMENT AND MANPOWER, CARRYING ON THE EFFORTS BEGUN BY ARAMCO IMMEDIATELY FOLLOWING THE SPILL. PRESENTLY THE OIL SPILL RESPONSE CENTER HAS CONCENTRATED ITS EFFORTS ON THE JUBAYL DESALINATION PLANT, GHASLAN POWER PLANT AS WELL AS A NUMBER OF SMALLER INSTALLATIONS.

ENVIRONMENTAL EFFORTS AT MANIFAH, ABU ALI AND TARUT BAY REPRESENT HIGH PRIORITY FOR THE CENTER'S RESOURCES BECAUSE OF THEIR IMPORTANCE TO FISH AND WILDLIFE, DUGONGS AND TURTLES..

ARAMCO CONTINUES TO PLAY A PRIMARY ROLE AT ITS OWN FACILITIES AS WELL AS THE AZIZIYAH DESALINATION PLANT AND THE QURAYAH POWER PLANT. THEY PROVIDE IMPORTANT ASSISTANCE WITH EQUIPMENT, EXPERTISE AND SERVICES TO OIL SPILL RESPONSE CENTER ENVIRONMENTAL ACTIVITIES.

IN ADDITION TO PROTECTING ITS OWN FACILITIES, THE ROYAL COMMISSION AT JUBAYL AND YANBU IS ALSO PROVIDING IMPORTANT ASSISTANCE TO THE CENTER'S ACTIVITIES AT ABU ALI TO PROTECT ENVIRONMENTAL AREAS AND RECOVER OIL. THEY ARE ALSO WORKING CLOSELY WITH THE NATIONAL COMMISSION FOR WILDLIFE CONSERVATION AND DEVELOPMENT BY PROVIDING SPACE AND ASSISTANCE FOR THE ANIMAL RECOVERY CENTER THERE.

RECOVERY OF OIL FROM THE WATER REMAINS A MAJOR PRIORITY. ARAMCO HAS RECOVERED NEARLY 80,000 BARRELS AND THE RESPONSE CENTER'S SHORELINE ACTIVITIES WHICH HAVE ONLY RECENTLY BEGUN HAVE CAPTURED APPROXIMATELY 15,000 BARRELS.

THESE RECOVERY ACTIVITIES HAVE BEEN CARRIED OUT BY OIL SPILL RESPONSE CENTER STAFF AND POTENTIAL CONTRACTORS WHO HAVE STEPPED IN TO HELP. WE HAVE BEEN ABLE TO ASSEMBLE THE HEART OF THE EXXON VALDEZ RESPONSE TEAM FOR THIS EFFORT. THE KINGDOM APPRECIATES THEIR EFFORTS AND ASSURES THEM THAT WE WON'T FORGET OUR FRIENDS WHO STEPPED FORWARD TO HELP AT THIS TIME OF NEED.

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21-FEB-1991 12:37

I.M.O. CD-ORD. CTR.

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P.06

J:51

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**Kingdom of Saudi Arabia**  
**Ministry Of Defence & Aviation**  
**Meteorology & Environmental**  
**Protection Administration (MEPA)**  
**Eastern Province**



**المملكة العربية السعودية**  
**وزارة الدفاع والطيران**  
**مصلحة الأرصاد وحماية البيئة**  
**المنطقة الشرقية**

الرقم :

التاريخ :

الملفات :

الموضوع :

ONE QUESTION WHICH I AM FREQUENTLY ASKED REGARDS THE PROGNOSIS FOR "VICTORY" IN THIS FIGHT AGAINST THE OIL. I WOULD LIKE TO SAY THAT THERE IS NO VICTORY POSSIBLE HERE. THE BATTLE WAS LOST THE MINUTE SADDAM HUSSEIN ORDERED THE OIL RELEASED AND BEAUTIFUL CREATURES WHOSE FLIGHT GRACED THE SKIES AND ENRICHED THE SEAS BEGAN TO DIE AN OILY DEATH. THERE WILL BE NO VICTORY UNTIL OUR SPECIES, CEASES ITS WAR UPON THE NATURAL WORLD.

THIS THEN, IS THE SITUATION AS IT STANDS TODAY. EVEN AS WE SPEAK, WIND, WEATHER AND THE FORCES FIGHTING THE SPILL ARE INTERACTING TO CHANGE THIS PICTURE. WE WILL CONTINUE TO TRY TO KEEP YOU ALL APPRAISED AND WE THANK YOU FOR YOUR PATIENCE AND ASSISTANCE.

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21-FEB-1991 12:38

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P.87

by up to eight times.

They said the decision was "unfair and unjustified" and had been taken by the chamber board without the approval of the general assembly.

But the chamber said the board was fully authorized by the constitution to take such a decision.

"The increase was the first in 15 years and was made in the best

to make the chamber an efficient body, by covering its deficits and enabling it to meet its obligations to members," the board said.

Hussain Aryan, chairman of Gulf Traders, who served as a board member of the chamber for seven years before resigning in 1987, said the board had no right to increase the fees without the approval of an extraordinary general assembly.

They are prepared to discuss an important issue like the increase of fees in these meetings.

"If the chamber wants to meet its deficit, they should not burden the members but should first try to cut the exorbitant costs.

"The chamber is overstuffed, with 54 employees, with senior executives being paid huge salaries.

from his business colleagues wanted to launch a petition to the board's decision.

The new fees ranged from 1000 to 2000 a year, depending on the type of business.

Abdullahar Tradem served on the board for said the news came as a surprise.

"The board is such a technical without the common sense to propose to move president Ali bin Fahroo against move."

Jassam Al Sh of general trade Green Salon, the board's action a decision at a time

"When Bahrain are hit by the crisis, suffering slowdown in the activities, the chamber should not have burdened on them," he said.

Tea importer Murad said that at the wrong time should not have taken more than ten per cent.

Board member chairman of the public relations Abdulnabi Al Sh the proposal to increase fees was discussed board for two years was implemented.

"We have had to take the step but huge drop in revenue."

The number of transactions, and endorsements of certificates, and of tenants occupying chamber building decreased considerably.

Mr Al Sh's chamber had to consider a considerable amount to renovate the building increase its staff.

He said the chamber budget had been in deficit for many years; last year's was in the order of BD200,000.

He denied the chamber was over staffed, said that out of 53 included main drivers and messengers.

Mr Al Sh's chamber had to consider invitations to attract international firms because of its financial constraints.

"Unlike many chambers, we do not have any subsidy from government and heavily on our own resources," he said.

**Club to**  
THE Karnataka Club, will hold its annual budget



Picture: Ali Fendoon

Two Indians escaped serious injury when a lorry overturned twice on Nabin Salah Road, near Sira yesterday. It is understood that the driver lost control when he attempted to avoid a car which pulled in front. Workers are seen preparing to right the vehicle with a crane.

## What's On

Tourism Projects Company island bus tour, from Bab Al Bahrain. Saturday to Thursday, 9-30am, plus a second tour on Wednesday Thursday at 3pm.

Yacht Club, Mena Club, quiz contest.

Seer archaeological site open to visitors, 7-30am to noon.

Frisbies & Sweets, Country Club, Budaya, 7-8pm.

Al Areen Wildlife Park open from 8am to 11am and 2pm to 4pm.

BSPCA thrift shop open from 9am to noon at O. Bushehr Gardens off the Budaya Road behind the Rastan Centre.

Alcoholics Anonymous meeting at the American Mission Hospital, 7.30pm.

Heritage Centre, House of Shaikh Isa bin Ali open, 10am to 5pm.

National Museum, open from 10am to 5pm.

Disco evening, Filipino Club, 8pm.

\*\*\* TO BE INCLUDED IN WHAT'S ON CONTACT \*\*\*

## Oil booms and experts arrive from Canada

By Indira Chaudhary

SEVERAL thousand metres of booms and more Canadian experts have arrived in Bahrain to help the island tackle the effects of the Gulf oil spill.

Minister of Health and Chairman of the Environmental Protection Committee Jawad Al Arayed welcomed the assistance.

He said the Canadian re-

sponse was part of the spirit of international co-operation.

Seven experts, including four Canadian Coastguard officers, and 6,500 metres of booms arrived yesterday.

This was the second phase of Canada's response to

Bahrain's request for help, said Ambassador Lawrence Dickenson.

It had earlier sent a six-member team of oil spill experts to assess the island's needs followed by wildlife specialist Jose Carreiro with two trailers of bird cleaning equipment.

"The booms will be deployed by the Environmental Protection Committee at key industrial and environmental sites," said Mr Dickenson.

He said the Canadian Coastguard officers would spend two weeks on the island training and assisting Bahrainis involved in installing booms.

"As part of the spirit of international co-operation, these experts will also assist in the installation of booms provided by the German government," said Mr Dickenson.

Two shoreline experts had also arrived on the island to conduct clean-up workshops, he added.

And another specialist, from Environment Canada, had also arrived to provide advice on the bird rescue centre being set up.

"Two more experts are expected to arrive in the next two weeks," said Mr Dickenson.

## Focus on long-term plan

A LONG-TERM regional emergency plan for handling environmental disasters will be the focus of a meeting in Bahrain next week to discuss the oil spill.

The meeting, next Tuesday and Wednesday, is being organised by the Regional Organisation for Protection of Marine Environment (Ropme) and will be co-chaired by the International Maritime Organisation.

Twenty-five international and regional organisations from the GCC states and Iran have been invited to attend the meeting.

Experts will also discuss the establishment of an emergency fund to combat the pollution.

The meeting will be held in the Ropme office, Shaikh Rashid building, near the Central Market.

## PLEA FOR VOLUNTEERS SCRAPPED

A CALL for volunteers for clean-up work today at the island's bird rescue centre at Ras Hayan has been cancelled, because they are no longer needed, according to Environmental Protection Committee (EPC) vice-chairman Khalid Fakhro.

An appeal was launched earlier through the GAV by EPC advisor Walter W. Brown. The appeal was available for comment

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From: CAPT William F. Holt, USCG  
Chief, Marine Environmental Protection Division

21 Feb 91

To:	<u>Agency</u>	<u>POC</u>	<u>FAX</u>
	White House Situation Room	Steve Danzansky	202-456-2223
	D.O.E.	Mr. John Easton "SDO"	202-586-0420
	D.O.S.	Bob Blumberg/ Tucker Scully Oil Spill Task Force-Scully/Blumberg	202-647-6610
	DOD Crisis Coord Center	Joe Muckerman	703-697-1920
	JCS Crisis Action Team	BGen John Jumper	703-697-4801
	USACoE EOC	Gary Campbell/ John Elmore	202-272-0378
	EPA Emerg. Ops Cntr	Jim Makris	202-252-0154
	IMO	CDR Pascoe	011-44-071-587-3238
	Canadian Coast Guard	Mr. Tom Ring	613-998-4168
	CAPT Viglienzzone	U.S. Coast Guard	703-693-6564
	U.S. Coast Guard Congressional Affairs	CAPT Hull	202-366-2351

Attached are seven pages of IIAT reports for 21 Feb 91 including plans for protecting the Al-Jubail desalination plant and overflight information.



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INTERNATIONAL INTERAGENCY ASSESSMENT TEAM  
SITREP 23  
20 FEBRUARY 1991

1. GENERAL INFORMATION

A. INTERNATIONAL INTERAGENCY ASSESSMENT TEAM (IIAT) CONTINUES ASSESSMENT, ADVISE AND RECOMMENDATIONS TO MEPA ON ORGANIZATION, RESPONSE AND PREPAREDNESS PLANNING.

2. IIAT ACTIVITIES FOR TODAY

A. IIAT MEMBERS CONTINUED ASSISTANCE IN DEVELOPING DETAILED EQUIPMENT AND RESPONSE METHODS PROPOSALS FOR ANTICIPATED INITIAL \$30 MILLION FUNDING.

B. IIAT MEMBER PARTICIPATED AS OBSERVER ON OVERFLIGHT IN SAUDI CIVIL DEFENSE CH-46 HELO. REPORT ATTACHED.

C. AIREYE CONDUCTED INITIAL OVERFLIGHT. WX NOT FAVORABLE FOR EFFECTIVE RESOLUTION OF AIREYE. WINDS IN EXCESS OF 35K CAUSED SIGNIFICANT SURFACE DISTURBANCE. FILM DROPPED OFF IN DHAHRAN FOR REVIEW BY IIAT.

D. CMDR DONOHUE MET WITH FEDERAL HEALTH OFFICIALS, LOCAL PORT OFFICIALS AND ENVIRONMENTAL GROUPS IN DUBAI. COAST GUARD AIRCRAFT PROVIDED LOG ASSISTANCE TO IIAT MEMBERS RETURNING THEM TO DHAHRAN.

E. ACOE REP MET WITH DREDGING INTERESTS TO DISCUSS DREDGING TECHNOLOGY IN OIL RECOVERY OPERATIONS.

F. NSF REP PARTICIPATED IN SAUDI LED PLANNING MEETING FOCUSED ON OIL RECOVERY OPERATIONS AT ABU ALI ISLAND.

G. CONTINUED ASSISTANCE TO MEPA IN IDENTIFYING, SURVEYING AND DESIGNING POTENTIAL TEMPORARY DISPOSAL FACILITIES NEAR OIL RECOVERY SITE.

H. MAINTAINED ACTIVE ASSISTANCE TO KFUPM AND SCIENTIFIC SUPPORT GROUP ON TECHNICAL ISSUES RELATED TO MODELING AND BIOREMEDIATION RECOMMENDATIONS. KFUPM HAS COMPLETED ITS FINAL VERSION OF A BIOREMEDIATION SCREENING PROCEDURE.

3. PLANS FOR TOMORROW

A. CONDUCT SHORESIDE RECON OF LOWER REACHES OF OIL SLICK.

B. CAPT JENSEN TO ACCOMPANY DR. ABDULBAR AL-GAIN, DIRECTOR OF MEPA AND MR. STAMMERMAN U.S. CONSUL GENERAL DHAHRAN, ON OVERFLIGHT OF SLICK.

# UNCLASSIFIED



2/21/91 Plan for p. 1  
 big inple

# ARABIAN GULF

- ○ ○ ○ ○ Ocean Buoys
- ||||| Harbor Buoy
- ⑤ Skimmer

EAK WATER No I

AVE DEPTH

BREAK WATER No II

BREAK WATER No III

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250,000 m<sup>2</sup>

AVE DEPTH IN TAKE 5 m

INTAKE 14

INTAKE PHASE-I

INTAKE 11

INTAKE 12

INTAKE 13

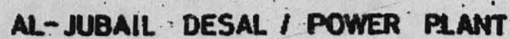
PHASE - I

PHASE - II

Collection pit

AL-JUBAIL DESAL / POWER PLANT

300000 m<sup>3</sup> / hr  
 50%  
 150000 m<sup>3</sup> / hr  
 200000 m<sup>3</sup> / hr  
 100000 m<sup>3</sup> / hr  
 50000 m<sup>3</sup> / hr



KINGDOM OF SAUDI ARABIA  
 SALINE WATER CONVERSION CORPORATION  
 AL-JUBAIL DESALINATION PLANT PHASE I & II

SEARCHED	INDEXED	DATE	TITLE
SERIAL BY	S. BRADSHAW	4-22-51	SEA WATER BITUMEN
CHECKED BY			
APPROVED BY			ENC. 10a

**UNCLASSIFIED****2/20/91 Overflight****Aircraft: Saudi Civil Defense, Kawasaki CH-46****Observer: Bob Caron, USEPA - IIAT****Time: 0730 - 1215 Hours**

- Conditions at time of flight:
  - Light winds freshening to 15 knots from the southeast.
  - Rain and mist.
  - Visibility 1/2 mile only.
- Critical Observations:
  - Southeasterly winds holding oil in the bay areas north and west of the island/peninsula of Abu Ali.
  - Observations indicate that heavy oil is moving west and north as predicted.
  - Heavy sheen noted as far off-shore as 10 Kilometers with windrows tending to follow the wind direction to the north.
  - In general oil has not moved significantly in the last 24 hours.
- Facilities:
  - Ghazlan:  
Booming has been installed as per design. Disposal/holding area is completed.
  - Jubail Desalinization Plant:  
V-shaped booming installed near opening of breakwater. No new work noted near intakes, no ocean boom installed. In general, much more work needs doing at this location.
  - Navy Base:  
No change in facility booming. Southern opening of breakwater and desal intake boomed as previously described.
  - Royal Commission:  
Prepared as previously described.

**General Comments:**

Today's flight included a shoreline evaluation of areas beginning at Ra's Tanura and moving north to the Royal Commission. The evaluation was intended to identify other potential oil recovery areas near-shore. Several areas were noted as described below:

- From Ra's Tanura north to Ra's Al Ghar (10 miles). 4 small scalloped bays noted similar to those found on Abu Ali.
- Juaymah trestle may be used as a boom anchoring location for collection. (Piling construction)

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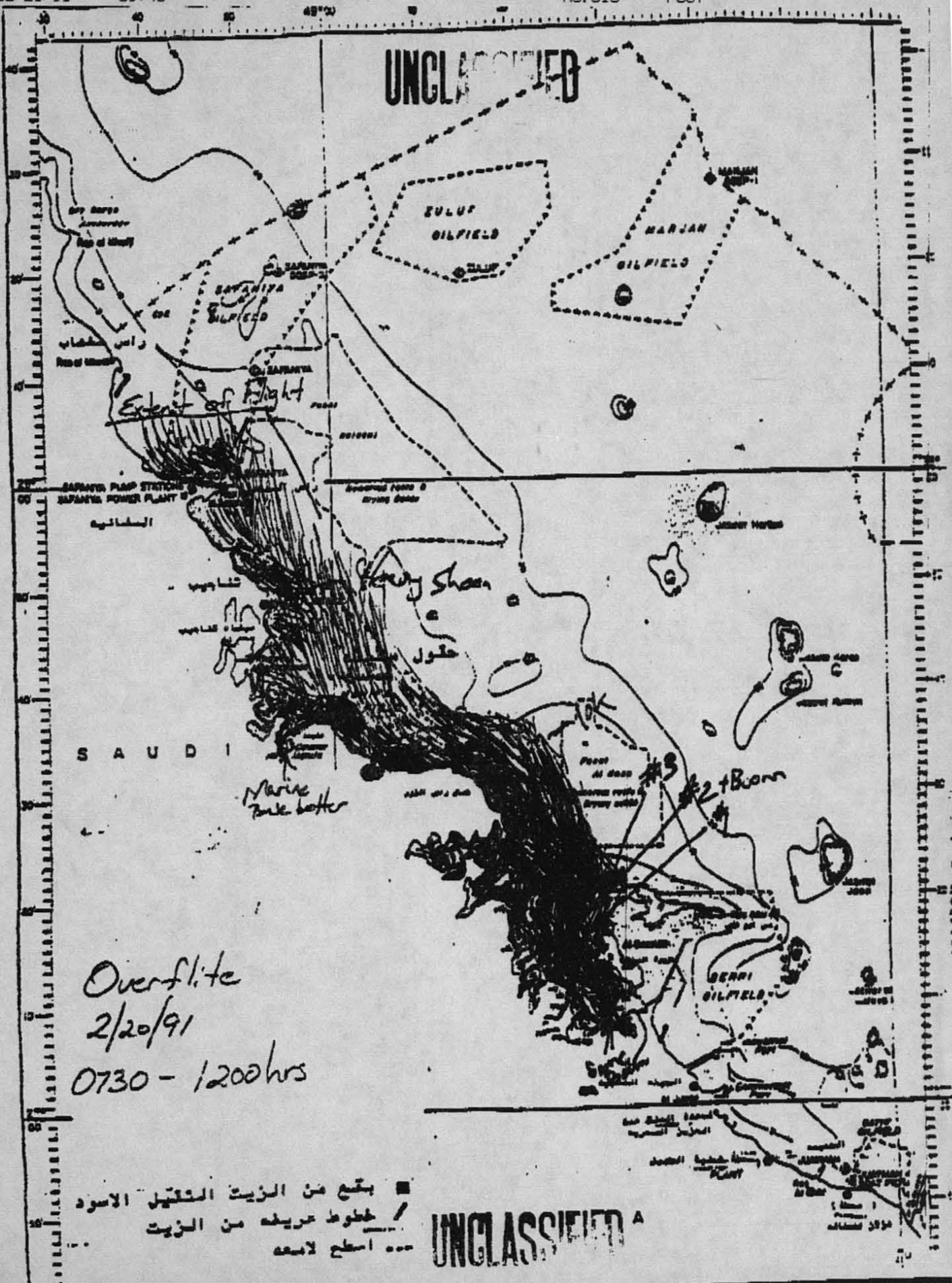
**UNCLASSIFIED**

- The pier located at Ra's Al Qhar is of rip-rap construction and will act as a barrier similar to the sand berm near-shore construction technique. May be difficult to define disposal areas nearby. (missile base)

Note: A 3 mile long recreational beach area is located just north of the Jubail Desal Plant.

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Overflite

2/20/91

0730 - 1200 hrs

■ يتبع من الزيت الثقيل الاسود  
خطوط عريضة من الزيت  
اسطح لامعة

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# Withdrawal/Redaction Sheet

## (George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
06. Report	Coast Guard Report--Persian Gulf Oil Spill (3 pp.)	2/14/91	(b)(1)	S

**Collection:**

**Record Group:** Bush Presidential Records  
**Office:** Domestic Policy Council  
**Series:** Schulteiss, Dean  
**Subseries:** Subject File  
**WHORM Cat.:**  
**File Location:** Iraqi Oil Spill [3]

<b>Date Closed:</b>	10/11/1998	<b>OA/ID Number:</b>	Cf00533-008
<b>FOIA/SYS Case #:</b>	1998-0099-F	<b>Appeal Case #:</b>	
<b>Re-review Case #:</b>		<b>Appeal Disposition:</b>	
<b>P-2/P-5 Review Case #:</b>		<b>Disposition Date:</b>	
<b>AR Case #:</b>		<b>MR Case #:</b>	
<b>AR Disposition:</b>		<b>MR Disposition:</b>	
<b>AR Disposition Date:</b>		<b>MR Disposition Date:</b>	

### RESTRICTION CODES

**Presidential Records Act - [44 U.S.C. 2204(a)]**

P-1 National Security Classified Information [(a)(1) of the PRA]  
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]  
P-3 Release would violate a Federal statute [(a)(3) of the PRA]  
P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]  
P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]  
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

**Freedom of Information Act - [5 U.S.C. 552(b)]**

(b)(1) National security classified information [(b)(1) of the FOIA]  
(b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]  
(b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]  
(b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]  
(b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]  
(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]  
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]  
(b)(9) Release would disclose geological or geophysical information



From: CAPT William F. Holt, USCG  
Chief, Marine Environmental Protection Division

To:	Agency	POC	FAX
	White House Situation Room	Steve Danzansky	202-456-2223
	D.O.E.	Mr. John Easton "SDO"	202-586-0420
	D.O.S.	Bob Blumberg/ Tucker Scully Oil Spill Task Force-Scully/Blumberg	202-647-6610
	DOD Crisis Coord Center	Joe Muckerman	703-697-1920
	JCS Crisis Action Team	BGen John Jumper	703-697-4801
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	EPA Emerg. Ops Cntr	Jim Makris	202-252-0154
	IMO	CDR Pascoe	011-44-071-587-3238
	Canadian Coast Guard	Mr. Tom Ring	613-998-4168
	CAPT Viglienzzone	U.S. Coast Guard	703-693-6564
	U.S. Coast Guard Congressional Affairs	CAPT Hull	202-366-2351

Attached is one page of trajectory update for 14 Feb 91.

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# Withdrawal/Redaction Sheet

## (George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
07. Report	Coast Guard Report--Persian Gulf Oil Spill (4 pp.)	2/13/91	(b)(1)	S

### Collection:

**Record Group:** Bush Presidential Records  
**Office:** Domestic Policy Council  
**Series:** Schulteiss, Dean  
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**WHORM Cat.:**  
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<b>Date Closed:</b>	10/11/1998	<b>OA/ID Number:</b>	Cf00533-008
<b>FOIA/SYS Case #:</b>	1998-0099-F	<b>Appeal Case #:</b>	
<b>Re-review Case #:</b>		<b>Appeal Disposition:</b>	
<b>P-2/P-5 Review Case #:</b>		<b>Disposition Date:</b>	
<b>AR Case #:</b>		<b>MR Case #:</b>	
<b>AR Disposition:</b>		<b>MR Disposition:</b>	
<b>AR Disposition Date:</b>		<b>MR Disposition Date:</b>	

### RESTRICTION CODES

#### Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]  
 P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]  
 P-3 Release would violate a Federal statute [(a)(3) of the PRA]  
 P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]  
 P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]  
 P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

#### Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]  
 (b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]  
 (b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]  
 (b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]  
 (b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]  
 (b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]  
 (b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]  
 (b)(9) Release would disclose geological or geophysical information



#### Source Citation

Iraqi Oil Spill [3], [OA/ID CF00553-008]. n.d. MS Records of the Persian Gulf War: Records of the Persian Gulf War Collection. George H.W. Bush Presidential Library. Archives Unbound, [link.gale.com/apps/doc/SC5101214953/GDCS?u=webdemo&sid=bookmark-GDCS&xid=30265b37&pg=1](https://link.gale.com/apps/doc/SC5101214953/GDCS?u=webdemo&sid=bookmark-GDCS&xid=30265b37&pg=1). Accessed 19 Mar. 2022.

**Gale Document Number:**GALE|SC5101214953